

10/632,688

Trying 3106016892...Open

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PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Feb 2 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 Dec 17 Expanded CAPLUS Coverage of US, Japanese, WIPO,
EPO, and German patents
NEWS 3 Feb 1 Addition of Machine-Translated Abstracts to CAPLUS
NEWS 4 Feb 28 Patent Information Now Searchable in CAOLD
SDI/UPDATE SEARCH FIELD
NEWS 5 May 1 Beilstein Abstracts on STN - FILE BABS
NEWS 6 May 1 RN CROSSOVER AND ANSWER SIZE LIMITS INCREASED
NEWS 7 May 1 AIDSLINE has been reloaded
NEWS 8 May 1 Searching Y2-K compliant Patent Numbers
NEWS 9 May 9 Sequence Similarity Batch Search in DGENE
NEWS 10 May 19 Weekly Statistics for New Entries now available
in INPADOC
NEWS 11 May 22 CITED REFERENCES NOW AVAILABLE IN CAPLUS AND CA FILE
NEWS 12 May 22 POSTPROCESSING OF SEARCH RESULTS MAY BE AFFECTED
BY ADDITION OF CITED REFERENCES TO CAPLUS, CA,
REGISTRY, CASREACT, MARPAT, and MARPATPREV
NEWS 13 Jun 2 KOREAN PATENTS NOW IN CAS DATABASES
NEWS 14 Jun 20 WIPO/PCT Patents Fulltext Database now on STN
NEWS 15 Jun 28 NEWS 15 Jun 28 CAS covers Web-distributed preprints

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 19:21:31 ON 16 JUL 2000

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.15	0.15

FILE 'REGISTRY' ENTERED AT 19:21:37 ON 16 JUL 2000

10/632,688

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DICTIONARY FILE UPDATES: 14 JUL 2000 HIGHEST RN 277739-89-6

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 11, 2000

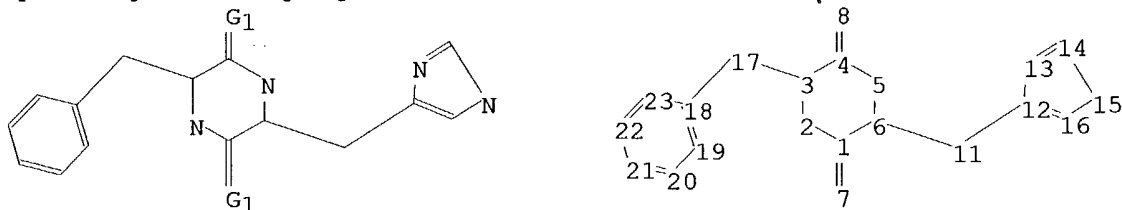
Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Structure search limits have been increased. See HELP SLIMIT
for details.

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=>
Uploading c:\stnexp4\queries\09440316.str



L1 STRUCTURE UPLOADED

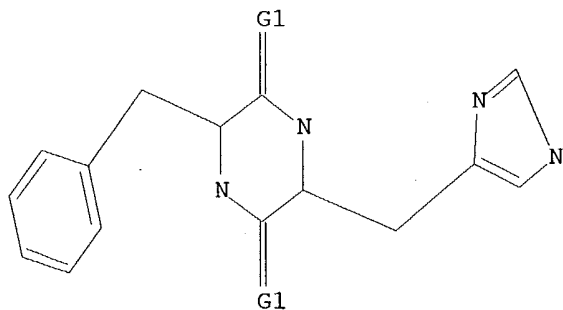
=> que L1

L2 QUE L1

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 O,S

Structure attributes must be viewed using STN Express query preparation.

10/632,688

=> s l1 sss sam

SAMPLE SEARCH INITIATED 19:22:13 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 141 TO ITERATE

100.0% PROCESSED 141 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 2108 TO 3532
PROJECTED ANSWERS: 1 TO 80

L3 1 SEA SSS SAM L1

=> d sacn

'SACN' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual fields or predefined formats. The predefined substance formats are: (RN = CAS Registry Number)

REG - RN
SAM - Index Name, MF, and structure - no RN
FIDE - All substance data, except sequence data
IDE - FIDE, but only 50 names
SQIDE - IDE, plus sequence data
SQIDE3 - Same as SQIDE, but 3-letter amino acid codes are used
SQD - Protein sequence data, includes RN
SQD3 - Same as SQD, but 3-letter amino acid codes are used
SQN - Protein sequence name information, includes RN

Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

ABS -- Abstract
APPS -- Application and Priority Information
BIB -- CA Accession Number, plus Bibliographic Data
CAN -- CA Accession Number
CBIB -- CA Accession Number, plus Bibliographic Data (compressed)
IND -- Index Data
IPC -- International Patent Classification
PATS -- PI, SO
STD -- BIB, IPC, and NCL

IABS --ABS, indented, with text labels
IBIB -- BIB, indented, with text labels
ISTD -- STD format, indented

OBIB ----- AN, plus Bibliographic Data (original)
OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations

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SIBIB ----- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.

The MAX format is the same as ALL.

The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help messages:

HELP DFIELDS -- To see a complete list of individual display fields.

HELP FORMATS -- To see detailed descriptions of the predefined formats.

ENTER DISPLAY FORMAT (IDE):end

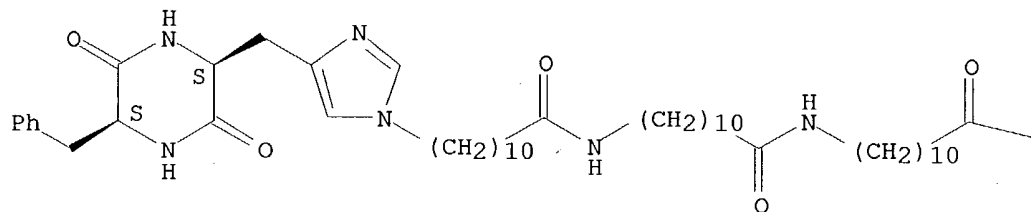
=> d scan

10/632,688

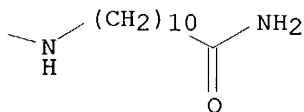
L3 1 ANSWERS REGISTRY COPYRIGHT 2000 ACS
IN 1H-Imidazole-1-undecanamide, N-[11-[[11-[(11-amino-11-oxoundecyl)amino]-11-oxoundecyl]amino]-11-oxoundecyl]-4-[[3,6-dioxo-5-(phenylmethyl)-2-piperazinyl]methyl]-, (2S-cis)- (9CI)
MF C59 H100 N8 O6

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



ALL ANSWERS HAVE BEEN SCANNED

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=> s l1 sss ful

FULL SEARCH INITIATED 19:22:49 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 2752 TO ITERATE

100.0% PROCESSED 2752 ITERATIONS 41 ANSWERS
SEARCH TIME: 00.00.01

L4 41 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	126.60	126.75

FILE 'CAPLUS' ENTERED AT 19:23:02 ON 16 JUL 2000
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FILE COVERS 1967 - 16 Jul 2000 VOL 133 ISS 4
FILE LAST UPDATED: 14 Jul 2000 (20000714/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

Now you can extend your author, patent assignee, patent information, and title searches back to 1907. The records from 1907-1966 now have this searchable data in CAOLD. You now have electronic access to all of CA: 1907 to 1966 in CAOLD and 1967 to the present in CAPLUS on STN.

=> s l4

L5 87 L4

=> d l5 1-87 bib hitstr

10/632,688

LS ANSWER 1 OF 87 CAPLUS COPYRIGHT 2000 ACS

AN 2000:392983 CAPLUS

DN 133:17465

TI Method for recovering (3R,6R)-3-benzyl-6-(4-imidazolylmethyl)-2,5-piperazinedione as addition reaction catalyst

IN Uegaki, Masatoshi; Shimazu, Yasuki; Senno, Kunitake

PA Sumitomo Chemical Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 5 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2000159739	A2	20000613	JP 1998-342780	19981202

OS CASREACT 133:17465

IT **93301-56-5P**, (3R,6R)-3-Benzyl-6-(4-imidazolylmethyl)-2,5-piperazinedione

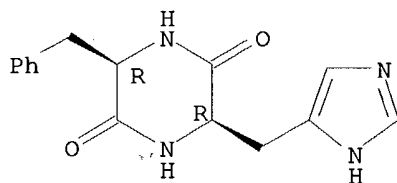
RL: CAT (Catalyst use); PUR (Purification or recovery); PREP (Preparation); USES (Uses)

(method for recovering (3R,36)-3-benzyl-6-(4-imidazolylmethyl)piperazinedione as addition reaction catalyst for 3-phenoxybenzylaldehyde and HCN)

RN 93301-56-5 CAPLUS

CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3R,6R)- (9CI) (CA INDEX NAME)

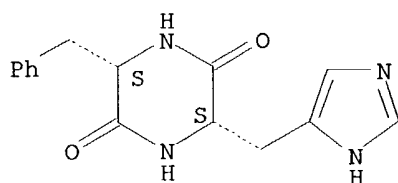
Absolute stereochemistry.



10/632,688

L5 ANSWER 2 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 2000:231716 CAPLUS
DN 132:347909
TI Laser flash photolysis study of cyclic-Phe-His in aqueous solution
AU Chu, Gaosheng; Song, Qinhua; Wang, Zhongyi; Ge, Xuewu; Zhang, Zhicheng;
Wang, Wenfeng; Yao, Side
CS Department of Applied Chemistry, University of Science and Technology of
China, Hefei, 230026, Peop. Rep. China
SO Wuli Huaxue Xuebao (2000), 16(3), 232-237
CODEN: WHXUEU; ISSN: 1000-6818
PB Beijing Daxue Chubanshe
DT Journal
LA Chinese
IT **56586-95-9P**
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(laser flash photolysis study of cyclic phenylalanine-histidine in aqueous
solution)
RN 56586-95-9 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
(3S,6S)- (9CI) (CA INDEX NAME)

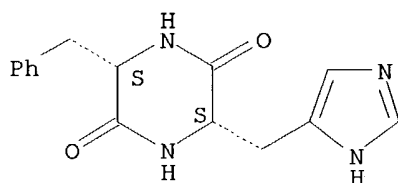
Absolute stereochemistry.



10/632,688

L5 ANSWER 3 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 2000:130524 CAPLUS
DN 132:322138
TI Asymmetric alcoholysis of 2-phenyl-5(4H)-oxazolones by the catalytic mixture of cyclo[(S)-His-(S)-Phe] with chiral auxiliaries
AU Xie, Lunjia; Hua, Wenting; Chan, Albert S. C.; Leung, Yun-Chang
CS Department of Chemistry, Peking University, Beijing, 100871, Peop. Rep. China
SO Tetrahedron: Asymmetry (1999), 10(24), 4715-4728
CODEN: TASYE3; ISSN: 0957-4166
PB Elsevier Science Ltd.
DT Journal
LA English
OS CASREACT 132:322138
IT **56586-95-9P**
RL: CAT (Catalyst use); SPN (Synthetic preparation); PREP (Preparation);
USES (Uses)
(asym. alcoholysis-mediated ring opening of racemic-2-phenyl-4-benzyloxazolone by the catalytic mixture of cyclo[(S)-His-(S)-Phe] with chiral auxiliaries)
RN 56586-95-9 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 27

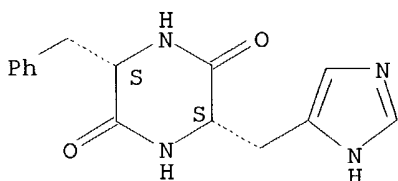
RE

- (2) Belokon, Y; Izv Akad Nauk, Ser Khim 1992, V3, P536 CAPLUS
- (3) Bevinakatti, H; J Chem Soc, Chem Commun 1990, P1091 CAPLUS
- (4) Bevinakatti, H; Tetrahedron: Asymmetry 1992, V3, P1505 CAPLUS
- (5) Callant, D; Tetrahedron: Asymmetry 1992, V3, P401 CAPLUS
- (6) Callant, D; Tetrahedron: Asymmetry 1992, V3, P401 CAPLUS

ALL CITATIONS AVAILABLE IN THE RE FORMAT

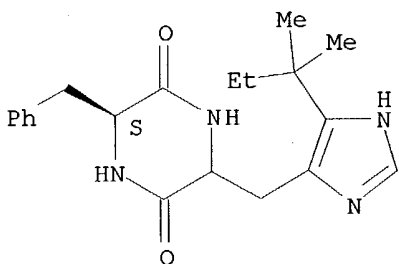
L5 ANSWER 4 OF 87 CAPLUS COPYRIGHT 2000 ACS
 AN 1999:485974 CAPLUS
 DN 131:257852
 TI Synthesis and biological activities of phenylahistin derivatives
 AU Kanoh, Kaneo; Kohno, Shinkichi; Katada, Jun; Takahashi, Junko; Uno, Isao; Hayashi, Yoshio
 CS Life Science Research Center, Advanced Technology Research Laboratories, Nippon Steel Corporation, Kawasaki, 211-0035, Japan
 SO Bioorg. Med. Chem. (1999), 7(7), 1451-1457
 CODEN: BMECEP; ISSN: 0968-0896
 PB Elsevier Science Ltd.
 DT Journal
 LA English
 IT **56586-95-9**
 RL: BAC (Biological activity or effector, except adverse); BIOL (Biological study)
 (synthesis and anti-microtubule activities of phenylahistin derivs.)
 RN 56586-95-9 CAPLUS
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



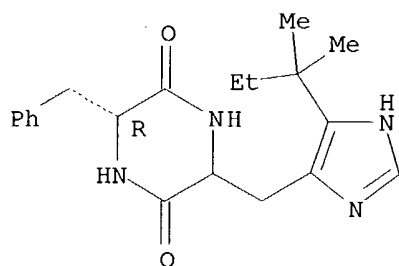
IT **244773-57-7P 244773-58-8P**
 RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
 (synthesis and anti-microtubule activities of phenylahistin derivs.)
 RN 244773-57-7 CAPLUS
 CN 2,5-Piperazinedione, 3-[[5-(1,1-dimethylpropyl)-1H-imidazol-4-yl]methyl]-6-(phenylmethyl)-, (6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 244773-58-8 CAPLUS
 CN 2,5-Piperazinedione, 3-[[5-(1,1-dimethylpropyl)-1H-imidazol-4-yl]methyl]-6-(phenylmethyl)-, (6R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 12

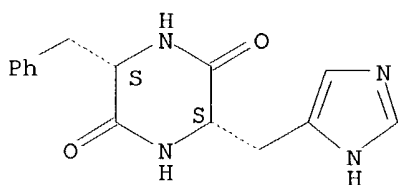
RE

- (2) Bond, R; Synthetic Commun 1989, V19, P2551 CAPLUS
 - (5) Johnson, K; J Mol Biol 1977, V117, P1 CAPLUS
 - (6) Kanoh, K; Bioorg Med Chem Lett 1997, V7, P2847 CAPLUS
 - (8) Kanoh, K; J Antibiotics 1999, V52, P134 CAPLUS
 - (10) Liwo, A; Tetrahedron Lett 1985, V26, P1873 CAPLUS
- ALL CITATIONS AVAILABLE IN THE RE FORMAT

10/632,688

L5 ANSWER 5 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1999:258729 CAPLUS
DN 131:5512
TI Energy partitioning in the surface-induced dissociation of linear and
cyclic protonated peptides at an organic surface
AU Schultz, D. G.; Lim, H.; Garbis, S.; Hanley, L.
CS Department of Chemistry, University of Illinois at Chicago, Chicago, IL,
60607-7061, USA
SO J. Mass Spectrom. (1999), 34(3), 217-225
CODEN: JMSPFJ; ISSN: 1076-5174
PB John Wiley & Sons Ltd.
DT Journal
LA English
IT **56586-95-9**
RL: PRP (Properties)
(energy partitioning in the surface-induced dissociation of linear and
cyclic protonated peptides at an organic surface)
RN 56586-95-9 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
(3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



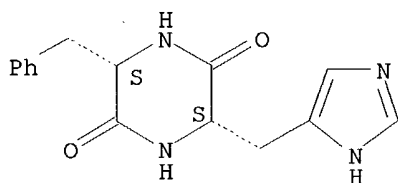
RE.CNT 36

RE
(1) Ada, E; Int J Mass Spectrom Ion Processes 1998, V174, P231 CAPLUS
(3) Ast, T; J Mass Spectrom 1996, V31, P791 CAPLUS
(4) Ast, T; Org Mass Spectrom 1993, V28, P1021 CAPLUS
(5) Aubagnac, J; Tetrahedron Lett 1983, V24, P2263 CAPLUS
(6) Beck, R; J Chem Phys 1996, V104, P3638 CAPLUS
ALL CITATIONS AVAILABLE IN THE RE FORMAT

10/632,688

L5 ANSWER 6 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1999:140102 CAPLUS
DN 130:267857
TI Synthesis and characterization of novel chiral liquid crystalline polysiloxanes
AU Day, G. M.; Kim, H. J.; Jackson, W. R.; Simon, G. P.
CS Chem. Dep., Monash Univ., Clayton, 3168, Australia
SO Acta Polym. (1999), 50(2-3), 96-104
CODEN: ACPODY; ISSN: 0323-7648
PB Wiley-VCH Verlag GmbH
DT Journal
LA English
IT **56586-95-9**
RL: RCT (Reactant)
(preparation of liquid-crystalline alkenyloxybenzoates containing chiral cyanohydrin moiety for modification of polysiloxanes)
RN 56586-95-9 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

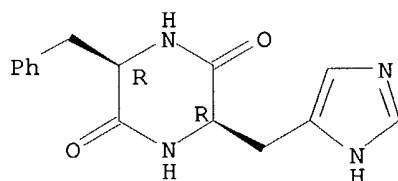


RE.CNT 37
RE
(1) Attard, G; J Molec Electron 1986, V2, P107 CAPLUS
(2) Attard, G; Liq Cryst 1986, V1, P253 CAPLUS
(3) Attard, G; Makromol Chem 1987, V188, P2769 CAPLUS
(4) Attard, G; Polymer 1986, V27, P185 CAPLUS
(6) Brown, R; Tetrahedron 1994, V50, P13739 CAPLUS
ALL CITATIONS AVAILABLE IN THE RE FORMAT

10/632,688

L5 ANSWER 7 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1998:446697 CAPLUS
DN 129:149219
TI Examination and Enhancement of Enantioselective Autoinduction in
Cyanohydrin Formation by Cyclo[(R)-His-(R)-Phe]
AU Kogut, Eugene F.; Thoen, Jason C.; Lipton, Mark A.
CS Department of Chemistry, Purdue University, West Lafayette, IN, 47907, USA
SO J. Org. Chem. (1998), 63(14), 4604-4610
CODEN: JOCEAH; ISSN: 0022-3263
PB American Chemical Society
DT Journal
LA English
IT **93301-56-5**
RL: CAT (Catalyst use); USES (Uses)
(examination and enhancement of enantioselective autoinduction in
cyanohydrin formation by cyclo(histidylphenylalanine))
RN 93301-56-5 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
(3R,6R)- (9CI) (CA INDEX NAME)

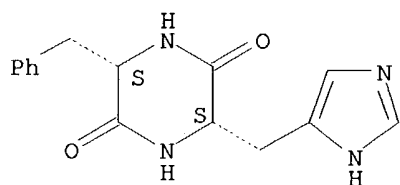
Absolute stereochemistry.



10/632,688

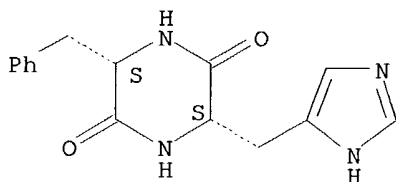
L5 ANSWER 8 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1998:223672 CAPLUS
DN 128:317230
TI Intestinal absorption of stable cyclic dipeptides by the oligopeptide transporter in rat
AU Mizuma, Takashi; Masubuchi, Satoshi; Awazu, Shoji
CS Department of Biopharmaceutics and Drug Rational Research Center, School of Pharmacy, Tokyo University of Pharmacy and Life Science, Tokyo, 192-03, Japan
SO J. Pharm. Pharmacol. (1998), 50(2), 167-172
CODEN: JPPMAB; ISSN: 0022-3573
PB Royal Pharmaceutical Society of Great Britain
DT Journal
LA English
IT **56586-95-9**, Cyclohistidylphenylalanine
RL: BPR (Biological process); BIOL (Biological study); PROC (Process)
(intestinal absorption of stable cyclic dipeptides by the oligopeptide transporter in rat)
RN 56586-95-9 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



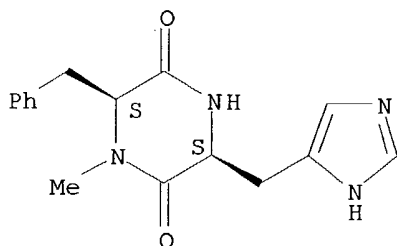
L5 ANSWER 9 OF 87 CAPLUS COPYRIGHT 2000 ACS
 AN 1998:19992 CAPLUS
 DN 128:102367
 TI The effects of N-methylation on the enantioselectivity of catalysis by
 cyclo[(R)-His-(R)-Phe]
 AU Thoen, Jason C.; Lipton, Mark A.
 CS Department of Chemistry, Purdue University, West Lafayette, IN, 47907, USA
 SO Tetrahedron: Asymmetry (1997), 8(23), 3947-3954
 CODEN: TASYE3; ISSN: 0957-4166
 PB Elsevier Science Ltd.
 DT Journal
 LA English
 IT **56586-95-9**
 RL: CAT (Catalyst use); USES (Uses)
 (effects of N-methylation on the enantioselectivity of catalysis by
 cyclo(histidylphenylalanine))
 RN 56586-95-9 CAPLUS
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
 (3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



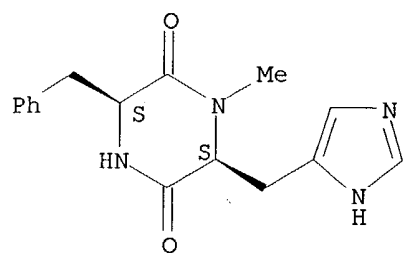
IT **192064-81-6P 192064-82-7P**
 RL: CAT (Catalyst use); SPN (Synthetic preparation); PREP (Preparation);
 USES (Uses)
 (effects of N-methylation on the enantioselectivity of catalysis by
 cyclo(histidylphenylalanine))
 RN 192064-81-6 CAPLUS
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-1-methyl-6-(phenylmethyl)-,
 (3S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



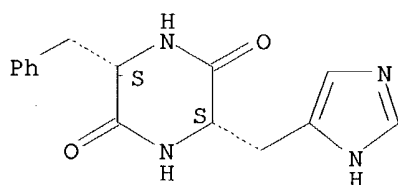
RN 192064-82-7 CAPLUS
 CN 2,5-Piperazinedione, 6-(1H-imidazol-4-ylmethyl)-1-methyl-3-(phenylmethyl)-,
 (3S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



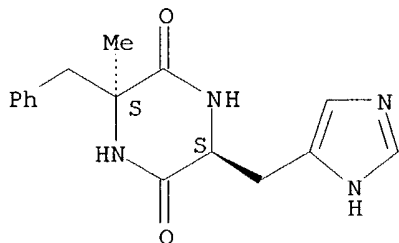
L5 ANSWER 10 OF 87 CAPLUS COPYRIGHT 2000 ACS
 AN 1997:530849 CAPLUS
 DN 127:205871
 TI Synthesis of dipeptides by suspension-to-suspension conversion via
 thermolysin catalysis: from analytical to preparative scale
 AU Eichhorn, U.; Bommarius, A. S.; Drauz, K.; Jakubke, H.-D.
 CS Degussa AG, ZN Wolfgang, Hanau, Germany
 SO J. Pept. Sci. (1997), 3(4), 245-251
 CODEN: JPSIEI; ISSN: 1075-2617
 PB Wiley
 DT Journal
 LA English
 IT **56586-95-9P**, Cyclo(histidylphenylalanine)
 RL: BPN (Biosynthetic preparation); SPN (Synthetic preparation); BIOL
 (Biological study); PREP (Preparation)
 (preparation of dipeptides by suspension-to-suspension conversion via
 thermolysin catalysis)
 RN 56586-95-9 CAPLUS
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
 (3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



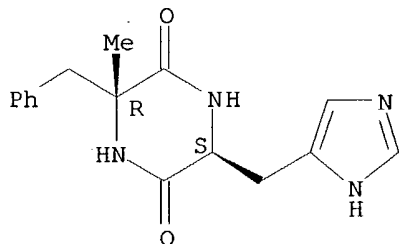
L5 ANSWER 11 OF 87 CAPLUS COPYRIGHT 2000 ACS
 AN 1997:465950 CAPLUS
 DN 127:162097
 TI Catalytic enantioselective addition of hydrogen cyanide to benzaldehyde and p-methoxybenzaldehyde using cyclo-His-(α -Me)Phe as catalyst
 AU Hulst, Ron; Broxterman, Quirinus B.; Kamphuis, Johan; Formaggio, Fernando; Crisma, Marco; Toniolo, Claudio; Kellogg, Richard M.
 CS Dep. Organic and Molecular Inorganic Chem., Groningen Center Synthesis and Catalysis, Univ. Groningen, Groningen, 9747 AG, Neth.
 SO Tetrahedron: Asymmetry (1997), 8(12), 1987-1999
 CODEN: TASYE3; ISSN: 0957-4166
 PB Elsevier
 DT Journal
 LA English
 IT **192064-83-8P 193808-38-7P**
 RL: CAT (Catalyst use); SPN (Synthetic preparation); PREP (Preparation);
 USES (Uses)
 (enantioselective hydrocyanation of benzaldehyde and
 p-methoxybenzaldehyde with cyclo-His-(α -Me)Phe as catalyst)
 RN 192064-83-8 CAPLUS
 CN 2,5-Piperazinedione, 6-(1H-imidazol-4-ylmethyl)-3-methyl-3-(phenylmethyl)-
 , (3S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



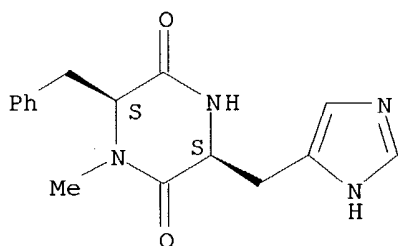
RN 193808-38-7 CAPLUS
 CN 2,5-Piperazinedione, 6-(1H-imidazol-4-ylmethyl)-3-methyl-3-(phenylmethyl)-
 , (3R-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



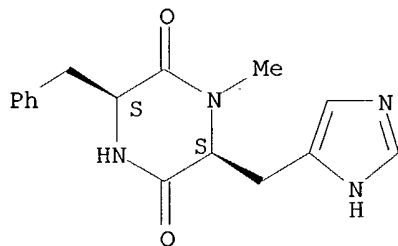
L5 ANSWER 12 OF 87 CAPLUS COPYRIGHT 2000 ACS
 AN 1997:366191 CAPLUS
 DN 127:95601
 TI Studies on cyclic dipeptides. Part 2. Methylated derivatives of
 cyclo-[Phe-His]
 AU Noe, C. R.; Weigand, A.; Pirker, S.; Liepert, P.
 CS Institut Pharmazeutische Chemie, Johann-Wolfgang-Goethe-Universitat,
 Frankfurt/Main, D-60439, Germany
 SO Monatsh. Chem. (1997), 128(3), 301-316
 CODEN: MOCMB7; ISSN: 0026-9247
 PB Springer
 DT Journal
 LA English
 OS CASREACT 127:95601
 IT **192064-81-6P 192064-82-7P 192064-83-8P**
192064-85-0P 192064-86-1P 192064-87-2P
 RL: CAT (Catalyst use); PRP (Properties); SPN (Synthetic preparation);
 PREP (Preparation); USES (Uses)
 (preparation and conformation of methylated cyclo-[Phe-His] derivs. as asym.
 hydrocyanation catalysts)
 RN 192064-81-6 CAPLUS
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-1-methyl-6-(phenylmethyl)-
 , (3S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



RN 192064-82-7 CAPLUS
 CN 2,5-Piperazinedione, 6-(1H-imidazol-4-ylmethyl)-1-methyl-3-(phenylmethyl)-
 , (3S-cis)- (9CI) (CA INDEX NAME)

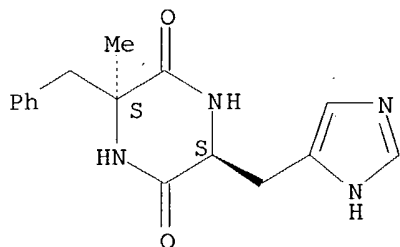
Absolute stereochemistry. Rotation (-).



RN 192064-83-8 CAPLUS
 CN 2,5-Piperazinedione, 6-(1H-imidazol-4-ylmethyl)-3-methyl-3-(phenylmethyl)-
 , (3S-cis)- (9CI) (CA INDEX NAME)

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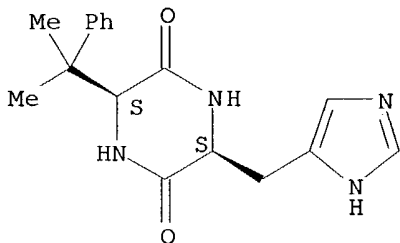
Absolute stereochemistry. Rotation (-).



RN 192064-85-0 CAPLUS

CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(1-methyl-1-phenylethyl)-, (3S-cis)- (9CI) (CA INDEX NAME)

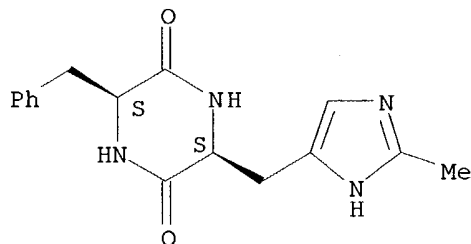
Absolute stereochemistry. Rotation (-).



RN 192064-86-1 CAPLUS

CN 2,5-Piperazinedione, 3-[(2-methyl-1H-imidazol-4-yl)methyl]-6-(phenylmethyl)-, (3S-cis)- (9CI) (CA INDEX NAME)

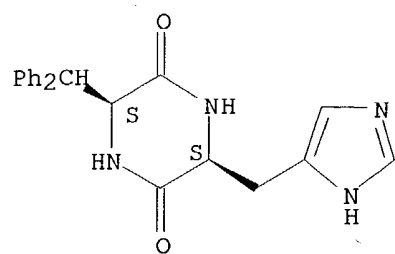
Absolute stereochemistry. Rotation (-).



RN 192064-87-2 CAPLUS

CN 2,5-Piperazinedione, 3-(diphenylmethyl)-6-(1H-imidazol-4-ylmethyl)-, (3S-cis)- (9CI) (CA INDEX NAME)

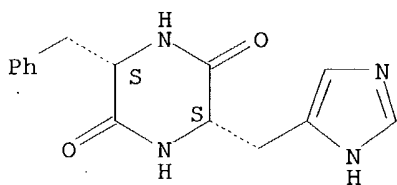
Absolute stereochemistry. Rotation (-).



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L5 ANSWER 13 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1997:266860 CAPLUS
DN 127:5348
TI Studies on cyclic dipeptides. Part 1. Aryl modifications of
cyclo-[Phe-His]
AU Noe, R. C.; Weigand, A.; Pirker, S.
CS Inst. Pharmazeutische Chemie, Johann-Wolfgang-Goethe-Univ.,
Frankfurt/Main, D-60439, Germany
SO Monatsh. Chem. (1996), 127(10), 1081-1097
CODEN: MOCMB7; ISSN: 0026-9247
PB Springer
DT Journal
LA English
IT **56586-95-9**
RL: CAT (Catalyst use); PRP (Properties); USES (Uses)
(mechanistic study of cyclic dipeptides as stereoselective
hydrocyanation catalysts)
RN 56586-95-9 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
(3S,6S)- (9CI) (CA INDEX NAME)

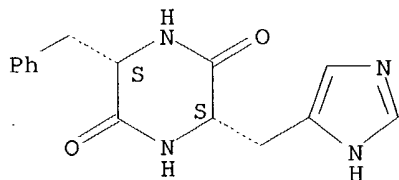
Absolute stereochemistry.



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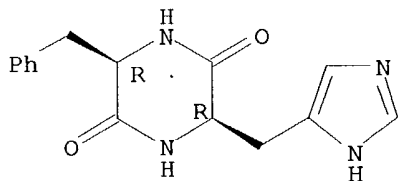
L5 ANSWER 14 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1996:215546 CAPLUS
DN 125:11423
TI Asymmetric hydrocyanation of aldehydes with cyclo-dipeptides: a new mechanistic approach
AU Shvo, Youval; Gal, Meir; Becker, Yigal; Elgavi, Asher
CS Sch. Chem., Tel Aviv Univ., Tel Aviv-Jaffa, 69978, Israel
SO Tetrahedron: Asymmetry (1996), 7(3), 911-24
CODEN: TASYE3; ISSN: 0957-4166
DT Journal
LA English
IT **56586-95-9**
RL: CAT (Catalyst use); USES (Uses)
(kinetics and mechanism of aldehyde hydrocyanation with cyclodipeptide catalyst)
RN 56586-95-9 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT **93301-56-5**
RL: PRP (Properties)
(microscopic structure of)
RN 93301-56-5 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3R,6R)- (9CI) (CA INDEX NAME)

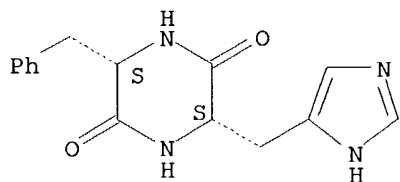
Absolute stereochemistry.



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L5 ANSWER 15 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1996:72025 CAPLUS
DN 124:260525
TI Synthesis of α -cyano-3-phenoxybenzyl alcohols and determination of
their optical purity
AU Tong, Yuejin; Chen, Shouzheng; Ding, Mengxian
CS Fujian Normal Univ., Peop. Rep. China
SO Fujian Shifan Daxue Xuebao, Ziran Kexueban (1994), 10(4), 71-4
CODEN: FSDKES; ISSN: 1000-5277
DT Journal
LA Chinese
IT **56586-95-9**
RL: CAT (Catalyst use); USES (Uses)
(synthesis of α -cyano-3-phenoxybenzyl alcs. and determination of their
optical purity)
RN 56586-95-9 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
(3S,6S)- (9CI) (CA INDEX NAME)

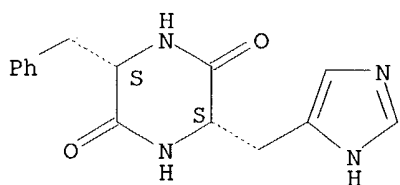
Absolute stereochemistry.



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L5 ANSWER 16 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1995:809920 CAPLUS
DN 124:9432
TI The catalytically active conformation of cyclo-[(S)-his-(S)-Phe] as
determined by solid state NMR
AU Apperley, David; North, Michael; Stokoe, Robert B.
CS Industrial Research Laboratory, Univ. of Durham, Durham, DH1 3LE, UK
SO Tetrahedron: Asymmetry (1995), 6(8), 1869-72
CODEN: TASYE3; ISSN: 0957-4166
DT Journal
LA English
IT **56586-95-9**, Cyclo(histidylphenylalanine)
RL: PRP (Properties)
(conformation of cyclo(histidylphenylalanine) by solid state NMR)
RN 56586-95-9 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
(3S,6S)- (9CI) (CA INDEX NAME)

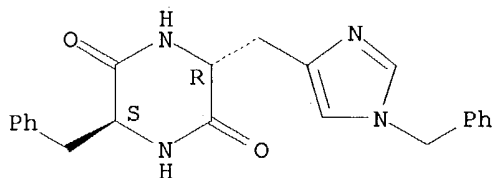
Absolute stereochemistry.



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L5 ANSWER 17 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1995:653983 CAPLUS
DN 123:332562
TI Attenuation of alcohol-induced hypothermia by cyclo(His-Pro) and its
analogs
AU Carlton, J.; Khan, S. I.; Haq, W.; Mizuma, H.; Ragan, F. A., Jr.; Mathur,
K. B.; Shukla, R.; Srimal, R. C.; Prasad, C.
CS Medical Center, Louisiana State Univ., New Orleans, LA, USA
SO Neuropeptides (Edinburgh) (1995), 28(6), 351-5
CODEN: NRPPDD; ISSN: 0143-4179
DT Journal
LA English
IT **165897-56-3**
RL: BAC (Biological activity or effector, except adverse); PRP
(Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(attenuation of alc.-induced hypothermia by cyclo(His-Pro) and its
analogs)
RN 165897-56-3 CAPLUS
CN 2,5-Piperazinedione, 3-(phenylmethyl)-6-[[1-(phenylmethyl)-1H-imidazol-4-
yl]methyl]-, (3S-trans)- (9CI) (CA INDEX NAME)

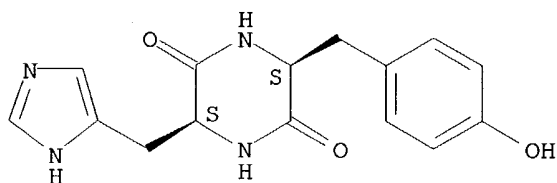
Absolute stereochemistry.



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L5 ANSWER 18 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1995:517666 CAPLUS
DN 123:257372
TI Structure-lipophilicity and structure-polarity relationships of amino acids and peptides
AU Vallat, Philippe; Gaillard, Patrick; Carrupt, Pierre-Alain; Tsai, Ruey-Shiuan; Testa, Bernard
CS Inst. Chim. Therapeutique, Univ. Lausanne, Lausanne-Dorigny, CH-1015, Switz.
SO Helv. Chim. Acta (1995), 78(2), 471-85
CODEN: HCACAV; ISSN: 0018-019X
DT Journal
LA English
IT **16944-42-6**
RL: PRP (Properties)
(structure-lipophilicity and structure-polarity relationships of amino acids and peptides)
RN 16944-42-6 CAPLUS
CN 2,5-Piperazinedione, 3-[(4-hydroxyphenyl)methyl]-6-(1H-imidazol-4-ylmethyl)-, (3S-cis)- (9CI) (CA INDEX NAME)

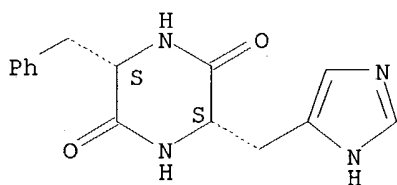
Absolute stereochemistry.



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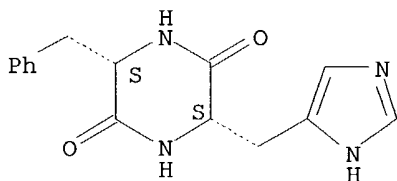
L5 ANSWER 19 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1995:262742 CAPLUS
DN 122:105510
TI Synthetic applications of optically active cyanohydrins. Enantioselective syntheses of the hydroxy amides tembamide and aegeline, the cardiac drug denopamine, and some analogs of the bronchodilator salbutamol
AU Brown, Roger F. C.; Donohue, Andrew C.; Jackson, W. Roy; McCarthy, Tom D.
CS Department Chemistry, Monash University, Clayton, 3168, Australia
SO Tetrahedron (1994), 50(48), 13739-52
CODEN: TETRAB; ISSN: 0040-4020
DT Journal
LA English
OS CASREACT 122:105510
IT **56586-95-9**
RL: RCT (Reactant)
(stereoselective preparation of hydroxy amides from aldehydes via stereoselective hydrocyanation)
RN 56586-95-9 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 20 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1995:262180 CAPLUS
DN 122:36854
TI Sol-gel glass with enantioselective catalytic activity
AU Shvo, Youval; Becker, Yigal; Gal, Meir
CS Raymond and Beverly Sackler Faculty Exact Sciences, Tel Aviv University,
Tel Aviv, 69978, Israel
SO J. Chem. Soc., Chem. Commun. (1994), (23), 2719-20
CODEN: JCCCAT; ISSN: 0022-4936
DT Journal
LA English
IT **56586-95-9**
RL: CAT (Catalyst use); PEP (Physical, engineering or chemical process);
PROC (Process); USES (Uses)
(catalyst; cyclo[-(S)-phenylalanyl-(S)-histidyl] entrapped in sol-gel
glass for enantioselective catalytic activity)
RN 56586-95-9 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
(3S,6S)- (9CI) (CA INDEX NAME)

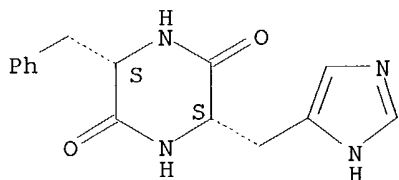
Absolute stereochemistry.



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L5 ANSWER 21 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1995:52978 CAPLUS
DN 122:105364
TI Substituent effects on the enantioselective hydrocyanation of aryl
aldehydes
AU Kim, Hyun J.; Jackson, W. Roy
CS Dep. Chem., Monash Univ., Clayton, 3168, Australia
SO Tetrahedron: Asymmetry (1994), 5(8), 1541-8
CODEN: TASYE3; ISSN: 0957-4166
DT Journal
LA English
IT **56586-95-9**, Cyclo(histidylphenylalanine)
RL: CAT (Catalyst use); USES (Uses)
(substituent effect on dipeptide-catalyzed hydrocyanation of
(alkenyloxy)benzaldehydes)
RN 56586-95-9 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
(3S,6S)- (9CI) (CA INDEX NAME)

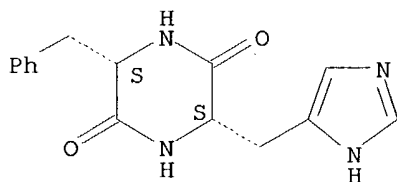
Absolute stereochemistry.



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L5 ANSWER 22 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1994:681157 CAPLUS
DN 121:281157
TI A conformational study on cyclo[(S)-His-(S)-Phe] by molecular modeling and
NMR techniques
AU North, Michael; Hogg, David J. P.
CS Dep. Chemistry, Univ. Wales, bangor/Gwynedd, LL57 2UW, UK
SO Pept. 1992, Proc. Eur. Pept. Symp., 22nd (1993), 949-50. Editor(s):
Schneider, Conrad H.; Eberle, Alex N.. Publisher: ESCOM, Leiden, Neth.
CODEN: 60LUAN
DT Conference
LA English
IT **56586-95-9**, Cyclohistidylphenylalanine
RL: PRP (Properties)
(conformation of)
RN 56586-95-9 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
(3S,6S)- (9CI) (CA INDEX NAME)

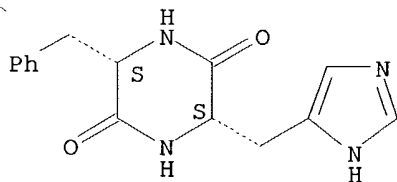
Absolute stereochemistry.



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L5 ANSWER 23 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1994:558169 CAPLUS
DN 121:158169
TI A conformational comparison of cyclo[(S)-His-(S)-Leu] and
cyclo[(S)-His-(S)-Phe], catalysts for the asymmetric addition of HCN to
aldehydes
AU Hogg, David J. P.; North, Michael; Stokoe, Robert B.
CS Dep. Chem., Univ. Wales, Bwnedd, LL57 2UW, UK
SO Tetrahedron (1994), 50(26), 7933-46
CODEN: TETRAB; ISSN: 0040-4020
DT Journal
LA English
IT **56586-95-9**
RL: PRP (Properties)
(conformation of)
RN 56586-95-9 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
(3S,6S)- (9CI) (CA INDEX NAME)

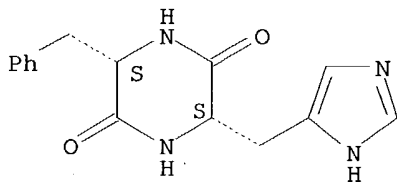
Absolute stereochemistry.



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L5 ANSWER 24 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1994:299278 CAPLUS
DN 120:299278
TI An improved synthesis of the diketopiperazine catalyst
cyclo[(S)-His-(S)-Phe]
AU Iyer, Mani S.; Lipton, Mark A.
CS Dep. Chem., Purdue Univ., West Lafayette, IN, 47907-1393, USA
SO Bioorg. Med. Chem. Lett. (1993), 3(10), 2061-2
CODEN: BMCLE8; ISSN: 0960-894X
DT Journal
LA English
OS CASREACT 120:299278
IT **56586-95-9P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, by improved method)
RN 56586-95-9 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
(3S,6S)- (9CI) (CA INDEX NAME)

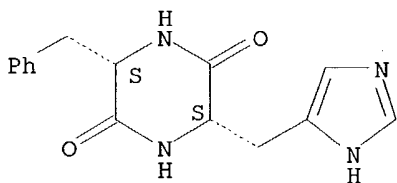
Absolute stereochemistry.



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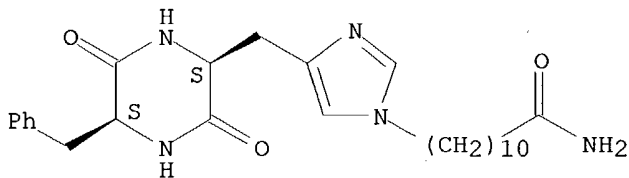
L5 ANSWER 25 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1994:298171 CAPLUS
DN 120:298171
TI Asymmetric hydrocyanation of 3-phenoxybenzaldehyde catalyzed by
polymer-bound cyclic dipeptides
AU Song, Choong Eui; Chun, Young Jae; Kim, In O
CS Org. Chem. Res. Lab. III, Korea Inst. Sci. Technol., Seoul, 130-650, S.
Korea
SO Synth. Commun. (1994), 24(1), 103-9
CODEN: SYNCAV; ISSN: 0039-7911
DT Journal
LA English
IT **56586-95-9D**, resin-bound **154879-23-9D**, resin-bound
154879-24-0D, resin-bound **154879-25-1D**, resin-bound
154879-26-2D, resin-bound
RL: CAT (Catalyst use); USES (Uses)
(catalyst, for asym. hydrocyanation of phenoxybenzaldehyde)
RN 56586-95-9 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
(3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



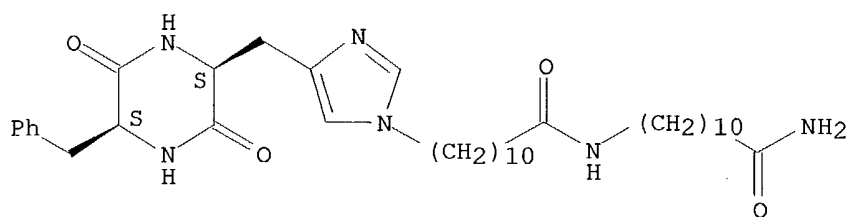
RN 154879-23-9 CAPLUS
CN 1H-Imidazole-1-undecanamide, 4-[[3,6-dioxo-5-(phenylmethyl)-2-piperazinyl]methyl]-, (2S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 154879-24-0 CAPLUS
CN 1H-Imidazole-1-undecanamide, N-(11-amino-11-oxoundecyl)-4-[[3,6-dioxo-5-(phenylmethyl)-2-piperazinyl]methyl]-, (2S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

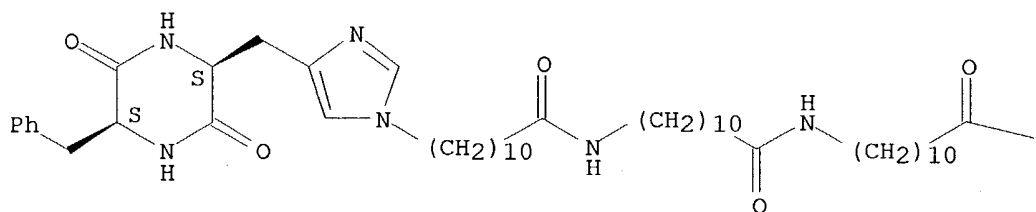


RN 154879-25-1 CAPLUS

CN 1H-Imidazole-1-undecanamide, N-[11-[(11-amino-11-oxoundecyl)amino]-11-oxoundecyl]-4-[[3,6-dioxo-5-(phenylmethyl)-2-piperazinyl]methyl]-, (2S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

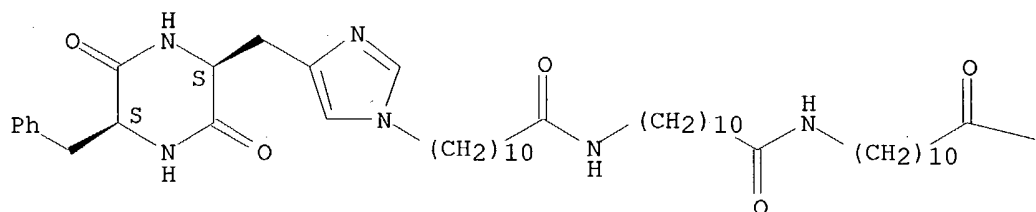
—NH₂

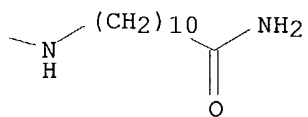
RN 154879-26-2 CAPLUS

CN 1H-Imidazole-1-undecanamide, N-[11-[[11-[(11-amino-11-oxoundecyl)amino]-11-oxoundecyl]amino]-11-oxoundecyl]-4-[[3,6-dioxo-5-(phenylmethyl)-2-piperazinyl]methyl]-, (2S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

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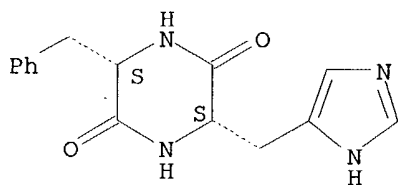




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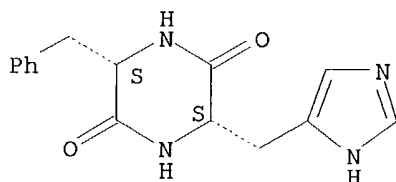
L5 ANSWER 26 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1994:163563 CAPLUS
DN 120:163563
TI A synthesis of (-)-denopamine
AU Brown, Roger F. C.; Jackson, W. Roy; McCarthy, Tom D.
CS Dep. Chem., Monash Univ., Clayton, 3168, Australia
SO Tetrahedron: Asymmetry (1993), 4(10), 2149-50
CODEN: TASYE3; ISSN: 0957-4166
DT Journal
LA English
OS CASREACT 120:163563
IT **56586-95-9**
RL: CAT (Catalyst use); USES (Uses)
(catalyst, a synthesis of (-)-denopamine)
RN 56586-95-9 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
(3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 27 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1994:54279 CAPLUS
DN 120:54279
TI The oxidation of benzaldehyde to benzoic acid catalyzed by
cyclo-[(S)-His-(S)-Phe], and its implications for the catalytic asymmetric
addition of hydrogen cyanide to aldehydes
AU Hogg, David J. P.; North, Michael; Stokoe, Robert B.; Teasdale, William G.
CS Dep. Chem., Univ. Wales, Bangor/Gwynedd, LL57 2UW, UK
SO Tetrahedron: Asymmetry (1993), 4(7), 1553-8
CODEN: TASYE3; ISSN: 0957-4166
DT Journal
LA English
OS CASREACT 120:54279
IT **56586-95-9**
RL: CAT (Catalyst use); USES (Uses)
(catalysts, for oxidation of benzaldehyde)
RN 56586-95-9 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
(3S,6S)- (9CI) (CA INDEX NAME)

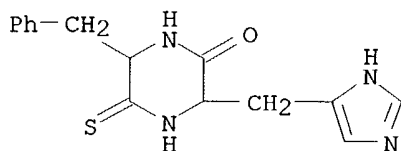
Absolute stereochemistry.



10/632,688

L5 ANSWER 28 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1993:496184 CAPLUS
DN 119:96184
TI Preparation of cyclic dipeptide deivatives with hydrolysis activity
IN Uchino, Masazumi; Ri, Hiroki
PA Chisso Corp., Japan
SO Jpn. Kokai Tokkyo Koho, 4 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 04356482	A2	19921210	JP 1991-28027	19910129
OS	CASREACT 119:96184; MARPAT 119:96184				
IT	149067-48-1P				
	RL: SPN (Synthetic preparation); PREP (Preparation) (preparation and hydrolyzability of)				
RN	149067-48-1 CAPLUS				
CN	Piperazinone, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-5-thioxo-, (3S-cis)- (9CI) (CA INDEX NAME)				

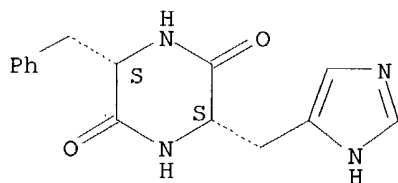


10/632,688

L5 ANSWER 29 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1993:408514 CAPLUS
DN 119:8514
TI Preparation of optically active 3-phenoxymandelonitrile derivatives
IN Dandan, Hidenori; Nishikawa, Hiroyuki; Otaka, Takeshi
PA Sumitomo Chemical Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

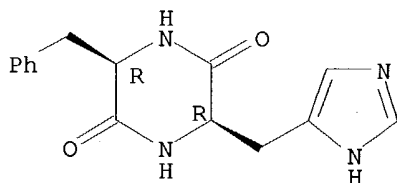
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 05009164	A2	19930119	JP 1991-161436	19910702
OS	CASREACT 119:8514; MARPAT 119:8514				
IT	56586-95-9 93301-56-5				
	RL: CAT (Catalyst use); USES (Uses)				
	(catalyst, for stereoselective addition of hydrogen cyanide with				
	benzaldehydes to mandelonitriles)				
RN	56586-95-9 CAPLUS				
CN	2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,				
	(3S,6S)- (9CI) (CA INDEX NAME)				

Absolute stereochemistry.



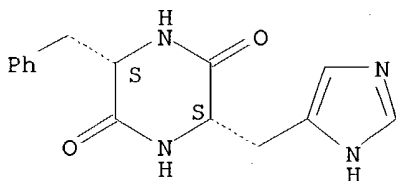
RN 93301-56-5 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
(3R,6R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

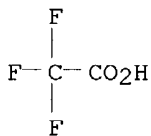


L5 ANSWER 30 OF 87 CAPLUS COPYRIGHT 2000 ACS
 AN 1993:234468 CAPLUS
 DN 118:234468
 TI Mechanistic studies on the asymmetric addition of hydrogen cyanide to aldehydes catalyzed by cyclo[(S)-His-(S)-Phe]
 AU Hogg, David J. P.; North, Michael
 CS Dep. Chem., Univ. Wales, Bangor/Gwynedd, LL57 2UW, UK
 SO Tetrahedron (1993), 49(5), 1079-90
 CODEN: TETRAB; ISSN: 0040-4020
 DT Journal
 LA English
 IT **147600-13-3**, Cyclo(histidylphenylalanine) trifluoroacetate
 RL: PRP (Properties)
 (mol. structure and conformation of, by NMR)
 RN 147600-13-3 CAPLUS
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S-cis)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)
 CM 1
 CRN 56586-95-9
 CMF C15 H16 N4 O2
 CDES *

Absolute stereochemistry.



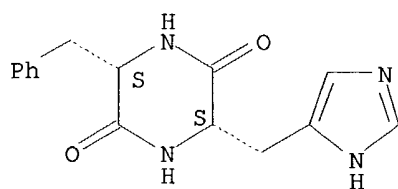
CM 2
 CRN 76-05-1
 CMF C2 H F3 O2



IT **56586-95-9**, Cyclo(histidylphenylalanine)
 RL: PRP (Properties)
 (mol. structure and conformation of, in presence and absence of acid and hydrogen cyanide, by NMR)
 RN 56586-95-9 CAPLUS
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

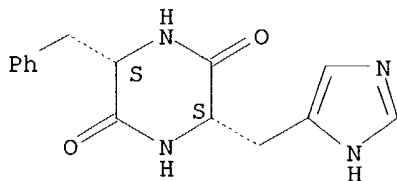
10/632,688



10/632,688

L5 ANSWER 31 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1993:125037 CAPLUS
DN 118:125037
TI Spectroscopic characterization of the active form of the 'Inoue' dipeptide
(cyclo[-(S)-Phe-(S)-His-])
AU Jackson, W. Roy; Jacobs, Howard A.; Kim, Hyun J.
CS Dep. Chem., Monash Univ., Clayton, 3168, Australia
SO Aust. J. Chem. (1992), 45(12), 2073-6
CODEN: AJCHAS; ISSN: 0004-9425
DT Journal
LA English
OS CASREACT 118:125037
IT **56586-95-9**
RL: RCT (Reactant)
(Fourier-transform IR, solid-state ^{13}C NMR, and ^{17}O NMR spectroscopy
of)
RN 56586-95-9 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
(3S,6S)- (9CI) (CA INDEX NAME)

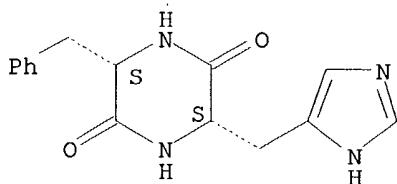
Absolute stereochemistry.



10/632,688

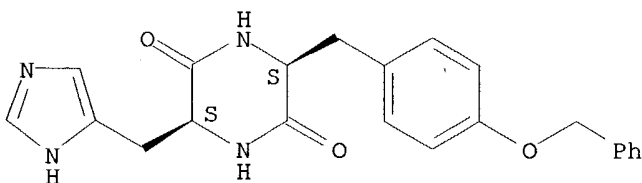
L5 ANSWER 32 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1993:102450 CAPLUS
DN 118:102450
TI Polymer attached cyclic dipeptides as catalysts for enantioselective
cyanohydrin formation
AU Kim, Hyun J.; Jackson, W. Roy
CS Dep. Chem., Monash Univ., Clayton, 3168, Australia
SO Tetrahedron: Asymmetry (1992), 3(11), 1421-30
CODEN: TASYE3; ISSN: 0957-4166
DT Journal
LA English
IT **56586-95-9**, Cyclo(histidylphenylalanine) **77935-55-8**
118139-78-9
RL: CAT (Catalyst use); USES (Uses)
(catalyst, for asym. hydrocyanation of aromatic aldehydes)
RN 56586-95-9 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
(3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



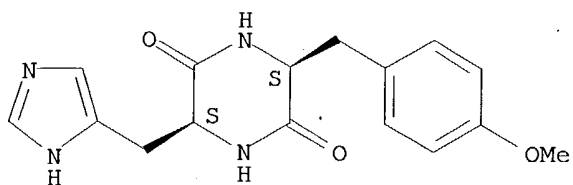
RN 77935-55-8 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-[[4-(phenylmethoxy)phenyl]methyl]-, (3S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 118139-78-9 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-[[4-methoxyphenyl]methyl]-, (3S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



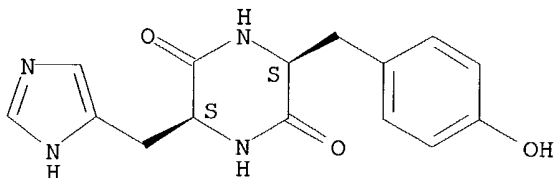
IT **16944-42-6P**

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 16944-42-6 CAPLUS

CN 2,5-Piperazinedione, 3-[(4-hydroxyphenyl)methyl]-6-(1H-imidazol-4-ylmethyl)-, (3S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



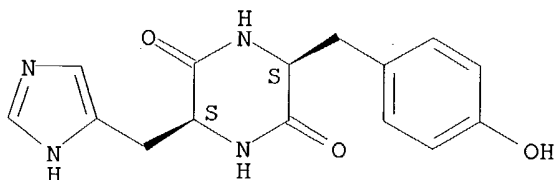
IT **16944-42-6DP**, Pr ether with poly(hydrogen, methyl)(dimethyl)siloxane copolymer **146028-55-9DP**, ester with chloromethylated polystyrene

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as asym. hydrocyanation catalyst)

RN 16944-42-6 CAPLUS

CN 2,5-Piperazinedione, 3-[(4-hydroxyphenyl)methyl]-6-(1H-imidazol-4-ylmethyl)-, (3S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

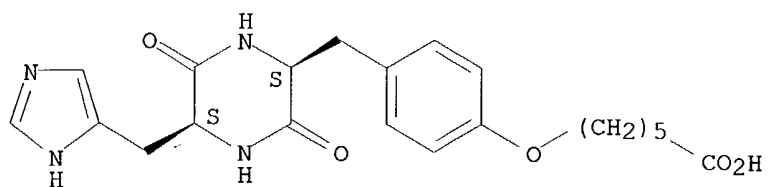


RN 146028-55-9 CAPLUS

CN Hexanoic acid, 6-[4-[[5-(1H-imidazol-4-ylmethyl)-3,6-dioxo-2-piperazinyl]methyl]phenoxy]-, (2S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

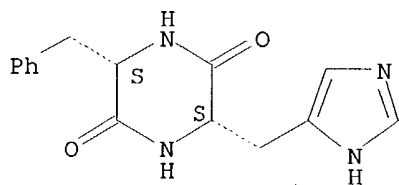
10/632,688



10/632,688

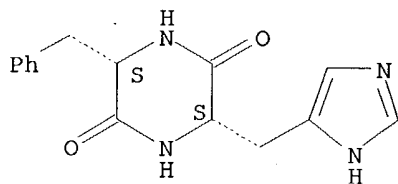
L5 ANSWER 33 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1992:531549 CAPLUS
DN 117:131549
TI A conformational study on cyclo[(S)-phenylalanyl-(S)-histidyl] by
molecular modeling and NMR techniques
AU North, Michael
CS Dep. Chem., Univ. Wales, Bangor/Gwynedd, LL57 2UW, UK
SO Tetrahedron (1992), 48(26), 5509-22
CODEN: TETRAB; ISSN: 0040-4020
DT Journal
LA English
IT **56586-95-9**
RL: PRP (Properties)
(conformation of, NMR and mol. modeling in relation to)
RN 56586-95-9 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
(3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 34 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1992:425645 CAPLUS
DN 117:25645
TI NMR measurements and semiempirical calculations in a first approach to elucidate the mechanism of enantioselective cyanohydrin formation catalyzed by cyclo-(S)-Phe-(S)-His
AU Callant, Dominique; Coussens, Betty; Van der Maten, Taco; De Vries, Johannes G.; De Vries, N. Koen
CS DSM Res., MD Geleen, 6160, Neth.
SO Tetrahedron: Asymmetry (1992), 3(3), 401-14
CODEN: TASYE3; ISSN: 0957-4166
DT Journal
LA English
OS CASREACT 117:25645
IT **56586-95-9**
RL: CAT (Catalyst use); USES (Uses)
(catalysts, for asym. hydrocyanation of aromatic aldehydes, conformation in relation to mechanism of asym. induction with)
RN 56586-95-9 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S,6S)- (9CI) (CA INDEX NAME)

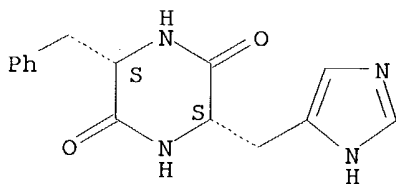
Absolute stereochemistry.



10/632,688

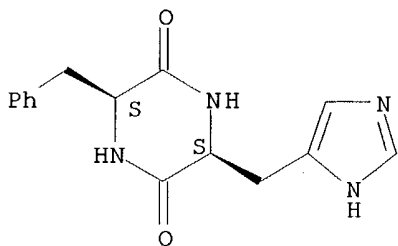
L5 ANSWER 35 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1992:194863 CAPLUS
DN 116:194863
TI Thermodynamic and proton NMR study of proton complex formation of
histidine-containing cyclodipeptides in aqueous solution
AU Arena, Giuseppe; Impellizzeri, Giuseppe; Maccarrone, Giuseppe; Pappalardo,
Giuseppe; Sciotto, Domenico; Rizzarelli, Enrico
CS Dip. Sci. Chim., Univ. Catania, Catania, Italy
SO J. Chem. Soc., Perkin Trans. 2 (1992), (3), 371-6
CODEN: JCPKBH; ISSN: 0300-9580
DT Journal
LA English
IT **56586-95-9P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and thermodyn. of protonation of, by proton NMR)
RN 56586-95-9 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
(3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



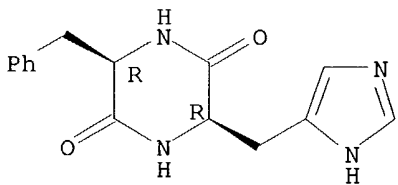
L5 ANSWER 36 OF 87 CAPLUS COPYRIGHT 2000 ACS
 AN 1991:655725 CAPLUS
 DN 115:255725
 TI Enantioselective autoinduction in the asymmetric hydrocyanation of
 3-phenoxybenzaldehyde catalyzed by cyclo[(R)-phenylalanyl-(R)-histidyl]
 AU Danda, Hidenori; Nishikawa, Hiroyuki; Otaka, Ken
 CS Takarazuka Res. Cent., Sumitomo Chem. Co., Ltd., Takarazuka, 665, Japan
 SO J. Org. Chem. (1991), 56(24), 6740-1
 CODEN: JOCEAH; ISSN: 0022-3263
 DT Journal
 LA English
 OS CASREACT 115:255725
 IT **137171-09-6**
 RL: RCT (Reactant)
 (catalyst containing hydroxy(phenoxyphenyl)acetonitrile and, for asym.
 hydrocyanation of phenoxybenzaldehyde)
 RN 137171-09-6 CAPLUS
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, cis-
 (9CI) (CA INDEX NAME)

Relative stereochemistry.



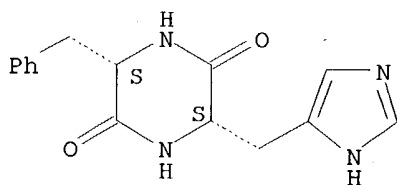
IT **93301-56-5**
 RL: CAT (Catalyst use); USES (Uses)
 (catalyst, for asym. hydrocyanation of phenoxybenzaldehyde)
 RN 93301-56-5 CAPLUS
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
 (3R,6R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 37 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1991:536763 CAPLUS
DN 115:136763
TI NMR studies on the conformation of cyclodipeptides with two identical
L-aromatic amino acid residues in solutions - cyclo[-L-5(OH)Trp-L-
5(OH)Trp] and cyclo[-L-Phe-L-Phe]
AU Sheinblatt, M.
CS Sch. Chem., Tel-Aviv Univ., Ramat Aviv, 69978, Israel
SO Int. J. Pept. Protein Res. (1991), 38(1), 8-14
CODEN: IJPPC3; ISSN: 0367-8377
DT Journal
LA English
IT **56586-95-9**
RL: PRP (Properties)
(NMR of)
RN 56586-95-9 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
(3S,6S)- (9CI) (CA INDEX NAME)

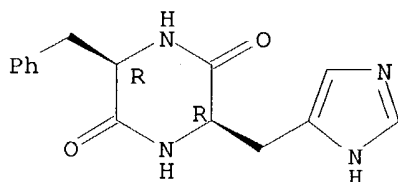
Absolute stereochemistry.



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L5 ANSWER 38 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1991:449020 CAPLUS
DN 115:49020
TI Essential factors in asymmetric hydrocyanation catalyzed by
cyclo[-(R)-Phe-(R)-His-]
AU Danda, Hidenori
CS Takarazuka Res. Cent., Sumitomo Chem. Co., Ltd., Takarazuka, 665, Japan
SO Synlett (1991), (4), 263-4
CODEN: SYNLES; ISSN: 0936-5214
DT Journal
LA English
OS CASREACT 115:49020
IT 93301-56-5
RL: RCT (Reactant)
(catalyst for asym. hydrocyanation of phenoxybenzaldehyde, phys.
structure effect on)
RN 93301-56-5 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
(3R,6R)- (9CI) (CA INDEX NAME)

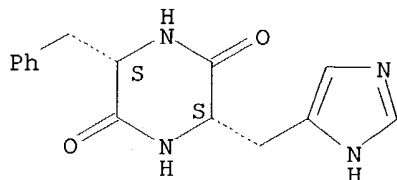
Absolute stereochemistry.



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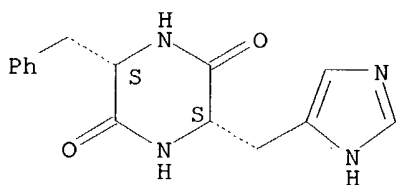
L5 ANSWER 39 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1991:425387 CAPLUS
DN 115:25387
TI Purification of amino acids and small peptides with hollow fibers
AU Berthod, Alain; Li, Wei Yong; Armstrong, D. W.
CS Lab. Sci. Anal., Univ. Lyon I, Villeurbanne, 69622, Fr.
SO Anal. Chim. Acta (1991), 244(1), 21-8
CODEN: ACACAM; ISSN: 0003-2670
DT Journal
LA English
IT **56586-95-9p**, Cyclo(His-Phe)
RL: PUR (Purification or recovery); PREP (Preparation)
(purification of, with hollow fibers)
RN 56586-95-9 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
(3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 40 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1991:184912 CAPLUS
DN 114:184912
TI Applications of optically active aryl cyanohydrins in the synthesis of
 α -hydroxy aldehydes, α -hydroxy ketones and β -hydroxy
amines
AU Jackson, W. Roy; Jacobs, Howard A.; Jayatilake, Gamini S.; Matthews, Barry
R.; Watson, Keith G.
CS Dep. Chem., Monash Univ., Clayton, 3168, Australia
SO Aust. J. Chem. (1990), 43(12), 2045-62
CODEN: AJCHAS; ISSN: 0004-9425
DT Journal
LA English
OS CASREACT 114:184912
IT **56586-95-9**
RL: RCT (Reactant)
(preparation of chiral nitriles in presence of)
RN 56586-95-9 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
(3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 41 OF 87 CAPLUS COPYRIGHT 2000 ACS
 AN 1991:142872 CAPLUS
 DN 114:142872
 TI Asymmetric synthesis of m-phenoxybenzaldehyde cyanohydrin
 IN Becker, Yigal; Elgavi, Asher; Shvo, Youval
 PA Bromine Compounds Ltd., Israel
 SO Fr. Demande, 15 pp.
 CODEN: FRXXBL

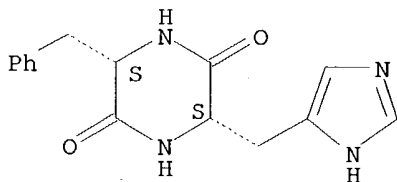
DT Patent

LA French

FAN.CNT 2

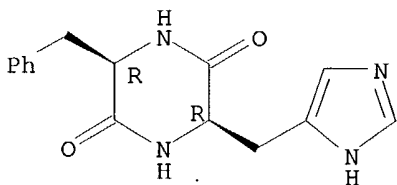
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2639943	A1	19900608	FR 1989-15992	19891204
	IL 88618	A1	19930221	IL 1988-88618	19881207
	NL 8902982	A	19900702	NL 1989-2982	19891204
	HU 52713	A2	19900828	HU 1989-6447	19891206
	HU 207000	B	19930301		
	JP 02265650	A2	19901030	JP 1989-315494	19891206
	US 5057477	A	19911015	US 1989-447095	19891206
	US 5187296	A	19930216	US 1991-731434	19910717
PRAI	IL 1988-88618		19881207		
	US 1989-447095		19891206		
IT	56586-95-9 93301-56-5 , Cyclo-D-phenylalanyl-D-histidine RL: CAT (Catalyst use); USES (Uses) (catalyst, for addition reaction of hydrogen cyanide with benzaldehyde derivative)				
RN	56586-95-9 CAPLUS				
CN	2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S,6S)- (9CI) (CA INDEX NAME)				

Absolute stereochemistry.



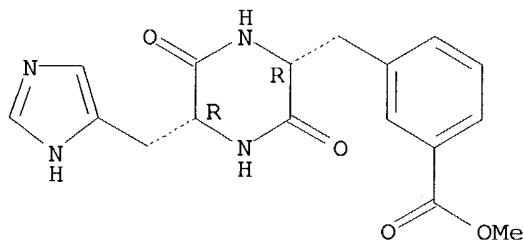
RN 93301-56-5 CAPLUS
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3R,6R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



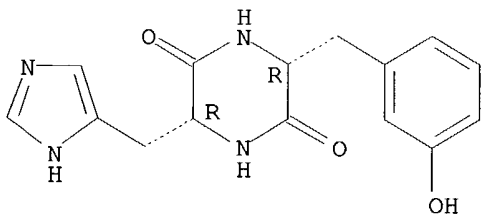
L5 ANSWER 42 OF 87 CAPLUS COPYRIGHT 2000 ACS
 AN 1991:101294 CAPLUS
 DN 114:101294
 TI Synthesis of optically active cyanohydrins and study on their stabilities
 AU Tong, Yuejin; Ding, Mengxian
 CS Changchun Inst. Appl. Chem., Chinese Acad. Sci., Changchun, 130022, Peop. Rep. China
 SO Youji Huaxue (1990), 10(5), 464-70
 CODEN: YCHHDX; ISSN: 0253-2786
 DT Journal
 LA Chinese
 OS CASREACT 114:101294
 IT **132334-84-0 132364-10-4**
 RL: CAT (Catalyst use); USES (Uses)
 (catalysts, for asym. cyanohydrin formation from benzaldehyde and hydrogen cyanide)
 RN 132334-84-0 CAPLUS
 CN Benzoic acid, 3-[[5-(1H-imidazol-4-ylmethyl)-3,6-dioxo-2-piperazinyl]methyl]-, methyl ester, [R-(R*,R*)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 132364-10-4 CAPLUS
 CN 2,5-Piperazinedione, 3-[(3-hydroxyphenyl)methyl]-6-[(1H-imidazol-4-yl)methyl]-, [R-(R*,R*)]- (9CI) (CA INDEX NAME)

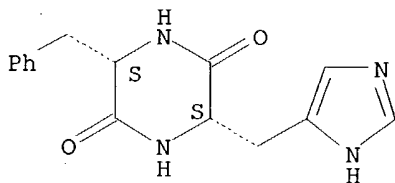
Absolute stereochemistry.



L5 ANSWER 43 OF 87 CAPLUS COPYRIGHT 2000 ACS
 AN 1991:81266 CAPLUS
 DN 114:81266
 TI Chiral hydrocyanation of m-phenoxybenzaldehyde over polymer-supported
 cyclo(phenylalanylhistidine).
 IN Becker, Yigal; Elgavi, Asher; Shvo, Youval
 PA Bromine Compounds Ltd., Israel
 SO Brit. UK Pat. Appl., 19 pp.
 CODEN: BAXXDU
 DT Patent
 LA English
 FAN.CNT 2

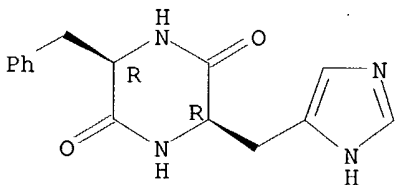
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	GB 2227429	A1	19900801	GB 1989-27501	19891205
	GB 2227429	B2	19920805		
	IL 88618	A1	19930221	IL 1988-88618	19881207
	NL 8902982	A	19900702	NL 1989-2982	19891204
	HU 52713	A2	19900828	HU 1989-6447	19891206
	HU 207000	B	19930301		
	JP 02265650	A2	19901030	JP 1989-315494	19891206
	US 5057477	A	19911015	US 1989-447095	19891206
	US 5187296	A	19930216	US 1991-731434	19910717
PRAI	IL 1988-88618		19881207		
	US 1989-447095		19891206		
IT	56586-95-9 93301-56-5				
	RL: CAT (Catalyst use); USES (Uses)				
	(catalyst, for hydrocyanation of phenoxybenzaldehyde)				
RN	56586-95-9 CAPLUS				
CN	2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S,6S)- (9CI) (CA INDEX NAME)				

Absolute stereochemistry.



RN 93301-56-5 CAPLUS
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
 (3R,6R)- (9CI) (CA INDEX NAME)

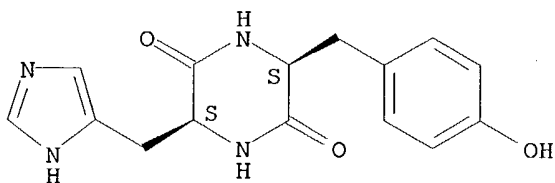
Absolute stereochemistry.



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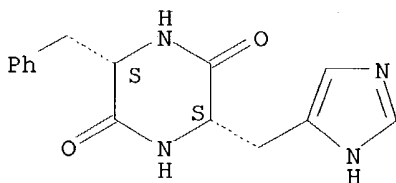
L5 ANSWER 44 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1990:478953 CAPLUS
DN 113:78953
TI Synthesis of diketopiperazines related to cyclohistidylproline
AU Bavykina, N. I.; Gabrielyan, A. E.; Korshunova, G. A.; Shvachkin, Yu. P.
CS Mosk. Gos. Univ., Moscow, USSR
SO Zh. Obshch. Khim. (1990), 60(1), 170-5
CODEN: ZOKHA4; ISSN: 0044-460X
DT Journal
LA Russian
OS CASREACT 113:78953
IT **16944-42-6P 56586-95-9P 125034-06-2P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 16944-42-6 CAPLUS
CN 2,5-Piperazinedione, 3-[(4-hydroxyphenyl)methyl]-6-(1H-imidazol-4-ylmethyl)-, (3S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



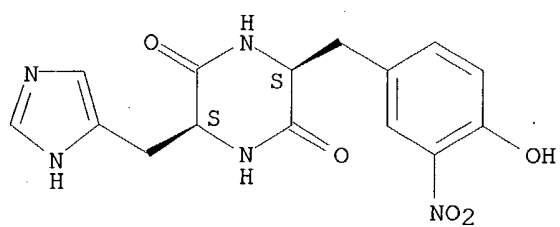
RN 56586-95-9 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 125034-06-2 CAPLUS
CN 2,5-Piperazinedione, 3-[(4-hydroxy-3-nitrophenyl)methyl]-6-[(1H-imidazol-4-yl)methyl]-, (3S-cis)- (9CI) (CA INDEX NAME)

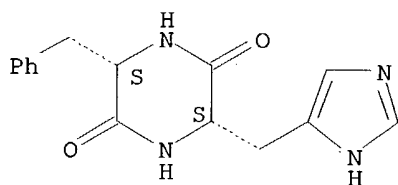
Absolute stereochemistry.



10/632,688

L5 ANSWER 45 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1990:477859 CAPLUS
DN 113:77859
TI Asymmetric synthesis of aromatic cyanohydrins catalyzed by cyclo
(L-Phe-L-His)
AU Tong, Yuejin; Ding, Mengxian
CS Changchun Inst. Appl. Chem., Acad. Sin., Changchun, 130022, Peop. Rep.
China
SO Yingyong Huaxue (1990), 7(1), 23-7
CODEN: YIHUED
DT Journal
LA Chinese
OS CASREACT 113:77859
IT **56586-95-9P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as condensation catalysts for benzaldehyde with hydrogen
cyanide)
RN 56586-95-9 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
(3S,6S)- (9CI) (CA INDEX NAME)

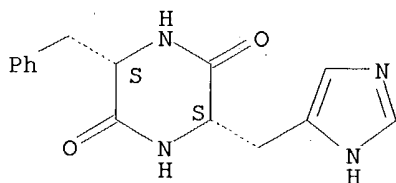
Absolute stereochemistry.



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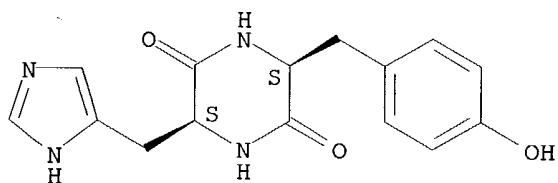
L5 ANSWER 46 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1990:199114 CAPLUS
DN 112:199114
TI Non-covalent interactions in cyclopeptide proton complex formation in aqueous solution
AU Arena, G.; Impellizzeri, G.; Maccarrone, G.; Pappalardo, G.; Sciotto, D.; Rizzarelli, E.
CS Ist. Chim. Anal., Univ. Messina, Santa Agata di Messina, 98116, Italy
SO Thermochim. Acta (1989), 154(1), 97-106
CODEN: THACAS; ISSN: 0040-6031
DT Journal
LA English
IT **56586-95-9P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(preparation and protonation of, thermodyn. of)
RN 56586-95-9 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
(3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



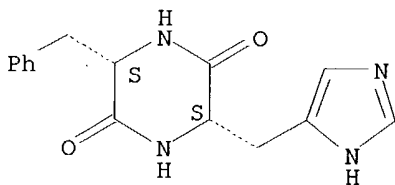
L5 ANSWER 47 OF 87 CAPLUS COPYRIGHT 2000 ACS
 AN 1990:69411 CAPLUS
 DN 112:69411
 TI A comparative study of synthetic carnosine analogs as antioxidants
 AU Boldyrev, A. A.; Dupin, A. M.; Batrukova, M. A.; Bavykina, N. I.;
 Korshunova, G. A.; Shvachkin, Yu. P.
 CS Sch. Biol., Moscow State Univ., Moscow, 119899, USSR
 SO Comp. Biochem. Physiol., B: Comp. Biochem. (1989), 94B(2), 237-40
 CODEN: CBPBB8; ISSN: 0305-0491
 DT Journal
 LA English
 IT **16944-42-6 56586-95-9 125034-06-2**
 RL: BIOL (Biological study)
 (lipid peroxidn. by sarcoplasmic reticulum membrane inhibition by, as
 antioxidant, structure in relation to)
 RN 16944-42-6 CAPLUS
 CN 2,5-Piperazinedione, 3-[(4-hydroxyphenyl)methyl]-6-(1H-imidazol-4-
 ylmethyl)-, (3S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



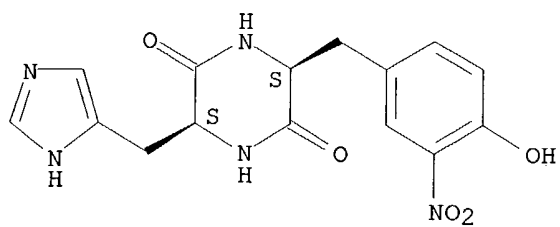
RN 56586-95-9 CAPLUS
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
 (3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 125034-06-2 CAPLUS
 CN 2,5-Piperazinedione, 3-[(4-hydroxy-3-nitrophenyl)methyl]-6-[(1H-imidazol-4-
 yl)methyl]-, (3S-cis)- (9CI) (CA INDEX NAME)

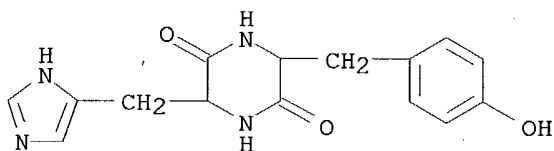
Absolute stereochemistry.



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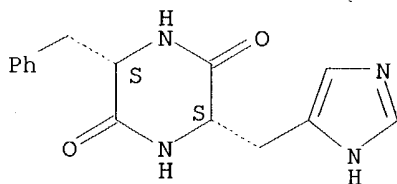
L5 ANSWER 48 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1990:56720 CAPLUS
DN 112:56720
TI Preparation of optically active 6-(4-imidazolylmethyl)-3-substituted-2,5-piperazinediones as bioactive substances
IN Chino, Kunitake; Watanabe, Kimito; Okamura, Haruki
PA Sumitomo Chemical Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 01172383	A2	19890707	JP 1987-331238	19871225
	JP 07086102	B4	19950920		
OS	MARPAT 112:56720				
IT	6807-73-4P 56586-95-9P 77935-55-8P 93301-56-5P 93451-02-6P 108391-79-3P				
RL:	SPN (Synthetic preparation); PREP (Preparation) (preparation of, as antibiotic and plant growth inhibitor)				
RN	6807-73-4 CAPLUS				
CN	2,5-Piperazinedione, 3-[(4-hydroxyphenyl)methyl]-6-(1H-imidazol-4-ylmethyl)- (9CI) (CA INDEX NAME)				



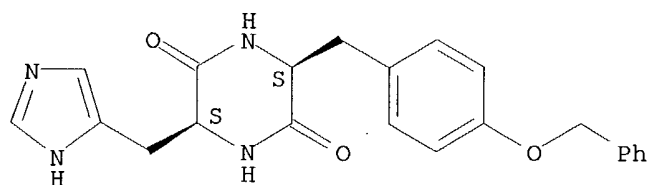
RN 56586-95-9 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 77935-55-8 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-[[4-(phenylmethoxy)phenyl]methyl]-, (3S-cis)- (9CI) (CA INDEX NAME)

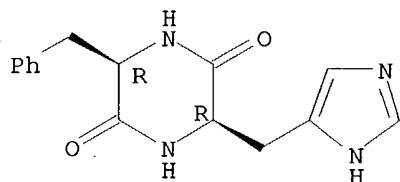
Absolute stereochemistry.



RN 93301-56-5 CAPLUS

CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethoxy)-,
(3R,6R)- (9CI) (CA INDEX NAME)

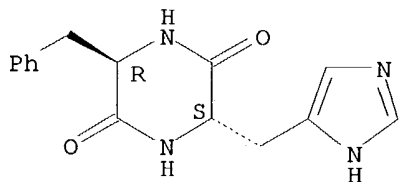
Absolute stereochemistry.



RN 93451-02-6 CAPLUS

CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
(3S-trans)- (9CI) (CA INDEX NAME)

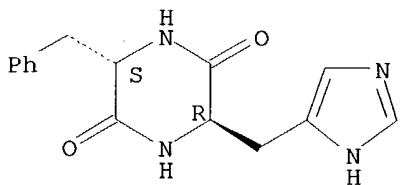
Absolute stereochemistry.



RN 108391-79-3 CAPLUS

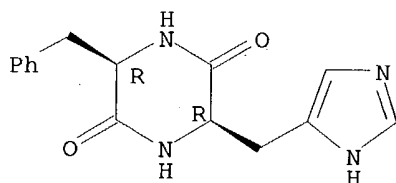
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
(3R-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



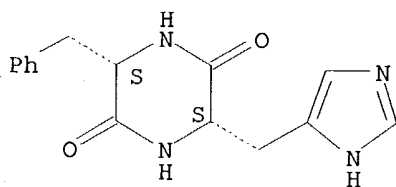
L5 ANSWER 49 OF 87 CAPLUS COPYRIGHT 2000 ACS
 AN 1990:36445 CAPLUS
 DN 112:36445
 TI The cyclic dipeptide cyclo[(S)-phenylalanyl-(S)-histidyl] as a catalyst
 for asymmetric addition of hydrogen cyanide to aldehydes
 AU Tanaka, Kenzo; Mori, Atsunori; Inoue, Shohei
 CS Dep. Synth. Chem., Univ. Tokyo, Tokyo, 113, Japan
 SO J. Org. Chem. (1990), 55(1), 181-5
 CODEN: JOCEAH; ISSN: 0022-3263
 DT Journal
 LA English
 OS CASREACT 112:36445
 IT **93301-56-5**
 RL: CAT (Catalyst use); USES (Uses)
 (catalyst, for asym. addition of hydrogen cyanide to benzaldehyde)
 RN 93301-56-5 CAPLUS
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
 (3R,6R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



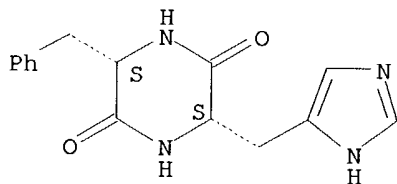
IT **56586-95-9P**
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of, as catalyst for asym. addition of hydrogen cyanide to
 aldehydes)
 RN 56586-95-9 CAPLUS
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
 (3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



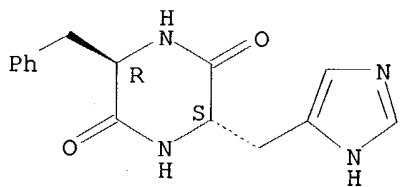
L5 ANSWER 50 OF 87 CAPLUS COPYRIGHT 2000 ACS
 AN 1989:633510 CAPLUS
 DN 111:233510
 TI Stereoselective methanolysis and hydrolysis of amino acid nitrophenyl
 esters by cyclo-phenylalanyl-L-histidine
 AU Okuda, Yoshihiro; Tanaka, Yoshiro; Yoshihara, Masakuni; Maeshima,
 Toshihisa; Fujii, Masayuki; Aida, Tetsuo
 CS Fac. Sci. Eng., Kinki Univ., Higashi-Osaka, 577, Japan
 SO Chem. Express (1988), 3(11), 683-6
 CODEN: CHEXEU
 DT Journal
 LA English
 IT **56586-95-9 93451-02-6**
 RL: CAT (Catalyst use); USES (Uses)
 (catalysts, for stereoselective hydrolysis of phenylalanine nitrophenyl
 esters)
 RN 56586-95-9 CAPLUS
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
 (3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



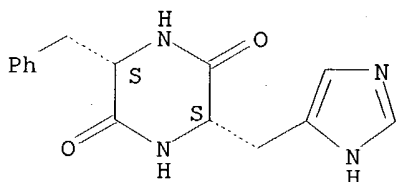
RN 93451-02-6 CAPLUS
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
 (3S-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



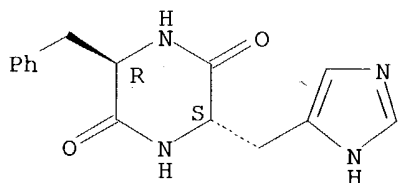
L5 ANSWER 51 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1989:604775 CAPLUS
DN 111:204775
TI Efficiency of second harmonic generation from amino acids, peptides, and polypeptides carrying polarizable aromatic groups
AU Tokutake, S.; Imanishi, Y.; Sisido, M.
CS Fac. Eng., Kyoto Univ., Kyoto, 606, Japan
SO Mol. Cryst. Liq. Cryst. (1989), 170, 245-57
CODEN: MCLCA5; ISSN: 0026-8941
DT Journal
LA English
IT **56586-95-9 93451-02-6**
RL: PRP (Properties)
(second harmonic generation efficiency of)
RN 56586-95-9 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



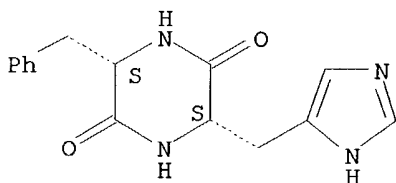
RN 93451-02-6 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



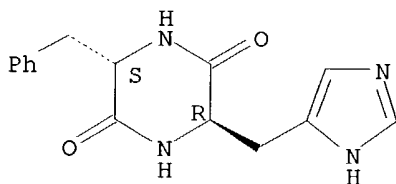
L5 ANSWER 52 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1989:573178 CAPLUS
DN 111:173178
TI Asymmetric hydrocyanation of a range of aromatic and aliphatic aldehydes
AU Matthews, Barry R.; Jackson, W. Roy; Jayatilake, Gamini S.; Wilshire,
Colin; Jacobs, Howard A.
CS Dep. Chem., Monash Univ., Clayton, 3168, Australia
SO Aust. J. Chem. (1988), 41(11), 1697-709
CODEN: AJCHAS; ISSN: 0004-9425
DT Journal
LA English
OS CASREACT 111:173178
IT **56586-95-9**
RL: CAT (Catalyst use); USES (Uses)
(catalyst, for asym. hydrocyanation of aldehydes)
RN 56586-95-9 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
(3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



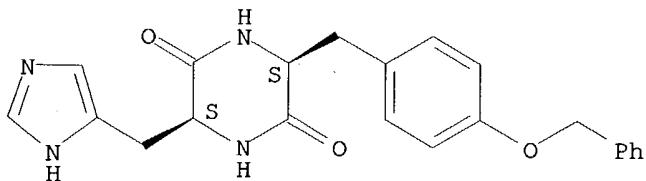
L5 ANSWER 53 OF 87 CAPLUS COPYRIGHT 2000 ACS
 AN 1989:24289 CAPLUS
 DN 110:24289
 TI Evaluation of some cyclic dipeptides as catalysts for the asymmetric hydrocyanation of aldehydes
 AU Jackson, W. Roy; Jayatilake, Gamini S.; Matthews, Barry R.; Wilshire, Colin
 CS Dep. Chem., Monash Univ., Clayton, 3168, Australia
 SO Aust. J. Chem. (1988), 41(2), 203-13
 CODEN: AJCHAS; ISSN: 0004-9425
 DT Journal
 LA English
 OS CASREACT 110:24289
 IT **108391-79-3**
 RL: CAT (Catalyst use); USES (Uses)
 (catalysts, for asym. hydrocyanation of phenoxybenzaldehyde)
 RN 108391-79-3 CAPLUS
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3R-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT **77935-55-8P**
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 77935-55-8 CAPLUS
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-[[4-(phenylmethoxy)phenyl]methyl]-, (3S-cis)- (9CI) (CA INDEX NAME)

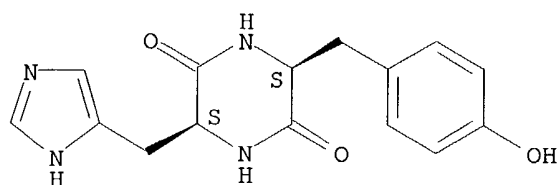
Absolute stereochemistry.



IT **16944-42-6P 56586-95-9P 93301-56-5P**
118139-78-9P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of, as catalyst for asym. hydrocyanation of aldehydes)
 RN 16944-42-6 CAPLUS
 CN 2,5-Piperazinedione, 3-[(4-hydroxyphenyl)methyl]-6-(1H-imidazol-4-ylmethyl)-, (3S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

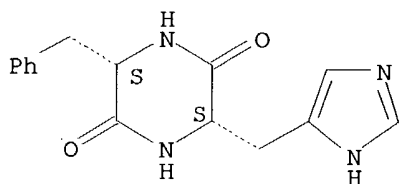
10/632,688



RN 56586-95-9 CAPLUS

CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
(3S,6S)- (9CI) (CA INDEX NAME)

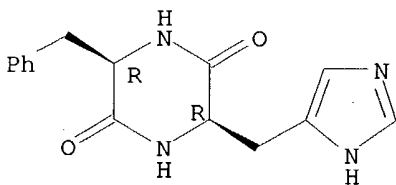
Absolute stereochemistry.



RN 93301-56-5 CAPLUS

CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
(3R,6R)- (9CI) (CA INDEX NAME)

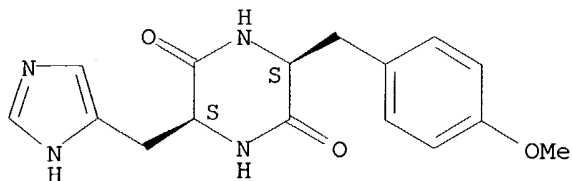
Absolute stereochemistry.



RN 118139-78-9 CAPLUS

CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-[(4-methoxyphenyl)methyl]-, (3S-cis)- (9CI) (CA INDEX NAME)

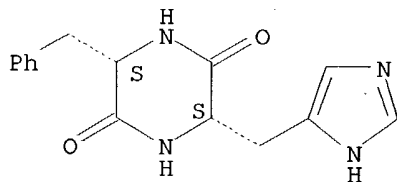
Absolute stereochemistry.



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L5 ANSWER 54 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1988:611449 CAPLUS
DN 109:211449
TI NMR studies on the conformation of cyclo(-L-Trp-L-His) in solutions
AU Sheinblatt, M.; Andorn, M.; Rudi, A.
CS Sch. Chem., Tel-Aviv Univ., Tel-Aviv, Israel
SO Int. J. Pept. Protein Res. (1988), 31(4), 373-87
CODEN: IJPPC3; ISSN: 0367-8377
DT Journal
LA English
IT **56586-95-9**
RL: PRP (Properties)
(NMR of)
RN 56586-95-9 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
(3S,6S)- (9CI) (CA INDEX NAME)

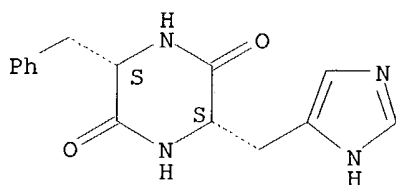
Absolute stereochemistry.



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L5 ANSWER 55 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1988:527446 CAPLUS
DN 109:127446
TI Relation between bitterness and the distance of bitter taste determinant sites in cyclic-dipeptides
AU Kouge, Katsushige; Shinoda, Ichizo; Ishibashi, Norio; Okai, Hideo
CS Fac. Eng., Hiroshima Univ., Higashihiroshima, 724, Japan
SO Chem. Express (1988), 3(3), 171-4
CODEN: CHEXEU
DT Journal
LA English
IT **56586-95-9**, Cyclo(His-Phe)
RL: PRP (Properties)
(bitterness of, structure in relation to)
RN 56586-95-9 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



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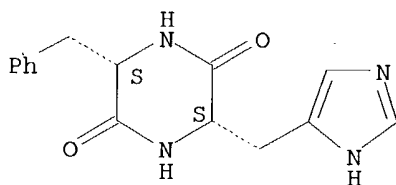
L5 ANSWER 56 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1988:473029 CAPLUS
DN 109:73029
TI Preparation of optically active cyanohydrins as intermediates for
insecticides
IN Inoue, Shohei; Kobayashi, Yoshiyuki; Hayashi, Hiroaki; Miyaji, Koji
PA Sumitomo Chemical Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 4 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 62255464	A2	19871107	JP 1986-99212	19860428
IT	56586-95-9				

RL: CAT (Catalyst use); USES (Uses)
(catalyst, for reaction of acetone cyanohydrin with aldehyde)

RN 56586-95-9 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
(3S,6S)- (9CI) (CA INDEX NAME)

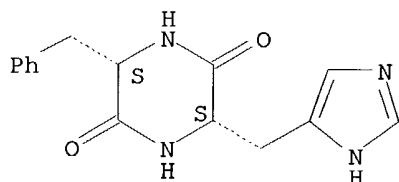
Absolute stereochemistry.



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L5 ANSWER 57 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1988:435778 CAPLUS
DN 109:35778
TI Studies on flavored peptides. Part V. A mechanism for bitter taste
sensitivity in peptides
AU Ishibashi, Norio; Kouge, Katsushige; Shinoda, Ichizo; Kanehisa, Hidenori;
Okai, Hideo
CS Fac. Eng., Hiroshima Univ., Shitami, Japan
SO Agric. Biol. Chem. (1988), 52(3), 819-27
CODEN: ABCHA6; ISSN: 0002-1369
DT Journal
LA English
IT **56586-95-9P**
RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic
preparation); BIOL (Biological study); PREP (Preparation)
(preparation and taste to human of)
RN 56586-95-9 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
(3S,6S)- (9CI) (CA INDEX NAME)

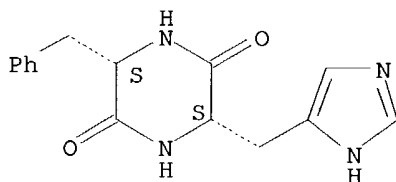
Absolute stereochemistry.



10/632,688

L5 ANSWER 58 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1988:150023 CAPLUS
DN 108:150023
TI Asymmetric synthesis of cyanohydrins catalyzed by optically active cyclic peptide and amide
AU Hayashi, Hiroaki; Kobayashi, Yoshiyuki; Miyaji, Koji; Inoue, Shohei
CS Fac. Eng., Univ. Tokyo, Tokyo, 113, Japan
SO Nippon Kagaku Kaishi (1987), (3), 345-50
CODEN: NKAKB8; ISSN: 0369-4577
DT Journal
LA Japanese
OS CASREACT 108:150023
IT **56586-95-9**
RL: CAT (Catalyst use); USES (Uses)
(catalysts, for asym. transcyanohydration of aldehydes with acetone cyanohydrin)
RN 56586-95-9 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
(3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

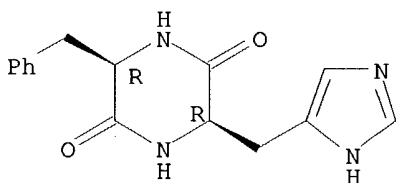


10/632,688

L5 ANSWER 59 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1987:458669 CAPLUS
DN 107:58669
TI Optically active α -cyano-3-phenoxybenzyl alcohol
IN Dandan, Hidenori; Chino, Kunitake; Murata, Tetsuo; Kamigaki, Masatoshi;
Shimazu, Yasuki; Wake, Shigeo
PA Sumitomo Chemical Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	JP 61293958	A2	19861224	JP 1985-136270	19850621
	JP 05060458	B4	19930902		
IT	93301-56-5				
	RL: RCT (Reactant) (resolving agent, in preparation of optically active cyanophenoxybenzyl alc.)				
RN	93301-56-5	CAPLUS			
CN	2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3R,6R)- (9CI) (CA INDEX NAME)				

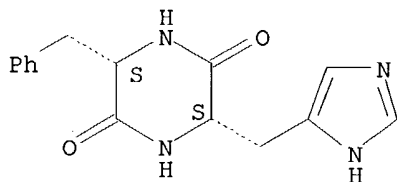
Absolute stereochemistry.



10/632,688

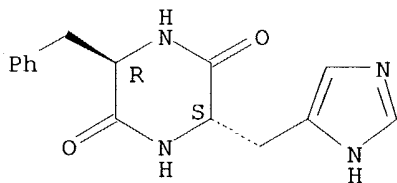
L5 ANSWER 60 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1987:448992 CAPLUS
DN 107:48992
TI Peptides and polypeptides having photochemical and photophysical
functions. 2. Nonlinear optical effect of peptides carrying highly
polarizable side chains
AU Tokutake, Shigeaki; Sisido, Masahiko; Imanishi, Yukio
CS Res. Cent., Kyoto Univ., Kyoto, 606, Japan
SO Pept. Chem. (1987), Volume Date 1986, 24th, 85-90
CODEN: PECHDP; ISSN: 0388-3698
DT Journal
LA English
IT **56586-95-9 93451-02-6**
RL: PRP (Properties)
(nonlinear optical effect of)
RN 56586-95-9 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
(3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 93451-02-6 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
(3S-trans)- (9CI) (CA INDEX NAME)

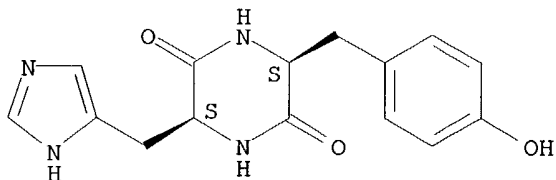
Absolute stereochemistry.



10/632,688

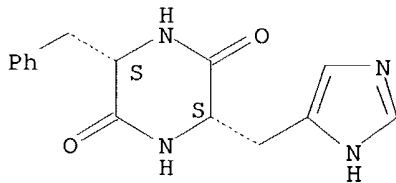
L5 ANSWER 61 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1987:403497 CAPLUS
DN 107:3497
TI High-performance liquid chromatographic separation of peptide and amino acid stereoisomers
AU Florance, J.; Galdes, A.; Konteatis, Z.; Kosarych, Z.; Langer, K.; Martucci, C.
CS Tech. Cent., BOC Group, Inc., Murray Hill, NJ, 07974, USA
SO J. Chromatogr. (1987), 414(2), 313-22
CODEN: JOCRAM; ISSN: 0021-9673
DT Journal
LA English
IT **16944-42-6 56586-95-9 108391-78-2**
108391-79-3
RL: ANT (Analyte); ANST (Analytical study)
(chromatog. of, high-performance liquid)
RN 16944-42-6 CAPLUS
CN 2,5-Piperazinedione, 3-[(4-hydroxyphenyl)methyl]-6-(1H-imidazol-4-ylmethyl)-, (3S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 56586-95-9 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S,6S)- (9CI) (CA INDEX NAME)

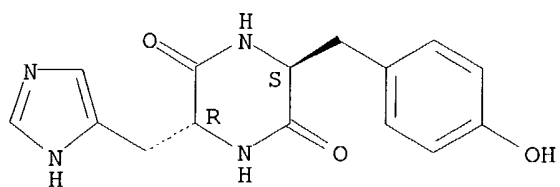
Absolute stereochemistry.



RN 108391-78-2 CAPLUS
CN 2,5-Piperazinedione, 3-[(4-hydroxyphenyl)methyl]-6-(1H-imidazol-4-ylmethyl)-, (3S-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

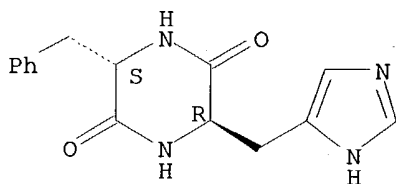
10/632,688



RN 108391-79-3 CAPLUS

CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
(3R-trans)- (9CI) (CA INDEX NAME)

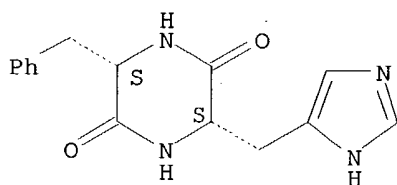
Absolute stereochemistry.



10/632,688

L5 ANSWER 62 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1987:213546 CAPLUS
DN 106:213546
TI Asymmetric transcyanohydration
AU Kobayashi, Yoshiyuki; Hayashi, Hiroaki; Miyaji, Koji; Inoue, Shohei
CS Fac. Eng., Univ. Tokyo, Tokyo, 113, Japan
SO Chem. Lett. (1986), (6), 931-4
CODEN: CMLTAG; ISSN: 0366-7022
DT Journal
LA English
OS CASREACT 106:213546
IT **56586-95-9**
RL: RCT (Reactant)
(catalysis of asym. transcyanohydration by)
RN 56586-95-9 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
(3S,6S)- (9CI) (CA INDEX NAME)

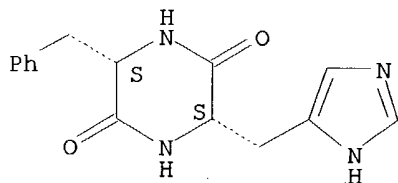
Absolute stereochemistry.



L5 ANSWER 63 OF 87 CAPLUS COPYRIGHT 2000 ACS
 AN 1987:18144 CAPLUS
 DN 106:18144
 TI Increasing enantiomeric selectivity in chiral cyanohydration
 IN Dong, Walter; Stoutamire, Donald W.
 PA Shell Oil Co. , USA
 SO U.S., 9 pp.
 CODEN: USXXAM
 DT Patent
 LA English
 FAN.CNT 1

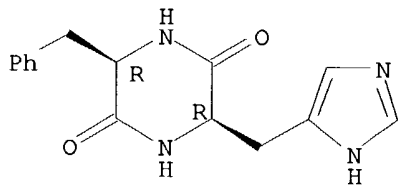
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4611077	A	19860909	US 1985-749619	19850626
	EP 209636	A1	19870128	EP 1986-104616	19860404
	R: BE, CH, DE, FR, GB, IT, LI, NL				
	JP 62004256	A2	19870110	JP 1986-145965	19860620
	BR 8602930	A	19870217	BR 1986-2930	19860625
PRAI	US 1985-749619		19850626		
IT	56586-95-9 93301-56-5 , Cyclo(D-phenylalanyl-D-histidine)				
	RL: CAT (Catalyst use); USES (Uses)				
	(catalyst, for asym. cyanohydration of aromatic aldehydes)				
RN	56586-95-9 CAPLUS				
CN	2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S,6S)- (9CI) (CA INDEX NAME)				

Absolute stereochemistry.



RN 93301-56-5 CAPLUS
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3R,6R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 64 OF 87 CAPLUS COPYRIGHT 2000 ACS

AN 1987:18143 CAPLUS

DN 106:18143

TI Chiral cyanohydration

IN Dong, Walter; Friend, Peter S.

PA Shell Oil Co. , USA

SO U.S., 9 pp.

CODEN: USXXAM

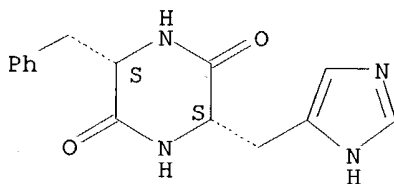
DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4611076	A	19860909	US 1985-749618	19850626
	EP 205782	A1	19861230	EP 1986-104615	19860404
	R: BE, CH, DE, FR, GB, IT, LI, NL				
	CA 1266487	A1	19900306	CA 1986-510998	19860606
	JP 62004257	A2	19870110	JP 1986-145966	19860620
	BR 8602922	A	19870217	BR 1986-2922	19860624
PRAI	US 1985-749618		19850626		
IT	56586-95-9 93301-56-5 , Cyclo(D-phenylalanyl-D-histidine)				
	RL: CAT (Catalyst use); USES (Uses)				
	(catalyst, for cyanohydration of aromatic aldehydes, aralkyl alcs. effect on)				
RN	56586-95-9 CAPLUS				
CN	2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S,6S)- (9CI) (CA INDEX NAME)				

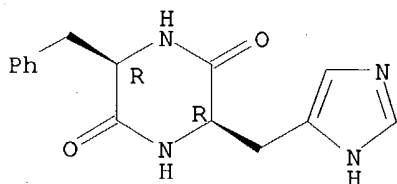
Absolute stereochemistry.



RN 93301-56-5 CAPLUS

CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3R,6R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



10/632,688

L5 ANSWER 65 OF 87 CAPLUS COPYRIGHT 2000 ACS

AN 1986:625978 CAPLUS

DN 105:225978

TI Asymmetric addition of hydrogen cyanide to substituted benzaldehydes catalyzed by a synthetic cyclic peptide, cyclo[(S)-phenylalanyl-(S)-histidyl]

AU Kobayashi, Yoshiyuki; Asada, Shoichi; Watanabe, Ichigen; Hayashi, Hiroaki; Motoo, Yoshiyuki; Inoue, Shohei

CS Fac. Eng., Univ. Tokyo, Tokyo, 113, Japan

SO Bull. Chem. Soc. Jpn. (1986), 59(3), 893-5

CODEN: BCSJA8; ISSN: 0009-2673

DT Journal

LA English

OS CASREACT 105:225978

IT **56586-95-9p**

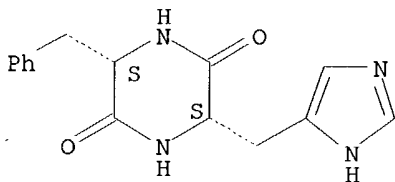
RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation and asym. addition of hydrogen cyanide to benzaldehydes in the presence of)

RN 56586-95-9 CAPLUS

CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

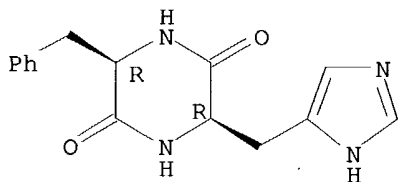


10/632,688

L5 ANSWER 66 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1986:478661 CAPLUS
DN 105:78661
TI Preparation of optically-active (mixed) anhydrides and acids
IN Stoutamire, Donald W.
PA Shell Oil Co. , USA
SO U.S., 8 pp. Cont.-in-part of U.S. Ser. No. 459,012.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4570017	A	19860211	US 1984-593154	19840326
PRAI	US 1983-459012		19830118		
IT	93301-56-5				
	RL: CAT (Catalyst use); USES (Uses)				
	(catalyst, for addition of ketenes with carboxylic acids)				
RN	93301-56-5	CAPLUS			
CN	2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3R,6R)- (9CI) (CA INDEX NAME)				

Absolute stereochemistry.



10/632,688

L5 ANSWER 67 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1986:442497 CAPLUS
DN 105:42497
TI α -Cyanobenzyl phenylacetates.
IN Stoutamire, Donald W.; Tieman, Charles H.
PA Shell Oil Co., USA
SO U.S., 18 pp. Cont.-in-part of U.S. Ser. No. 443,513, abandoned.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4560515	A	19851224	US 1983-551652	19831114
	ZA 8307994	A	19840627	ZA 1983-7994	19831027
	DD 231344	A5	19851224	DD 1983-272653	19831117
	US 4681947	A	19870721	US 1985-692472	19850118

PRAI US 1982-443513 19821122
US 1983-551652 19831114

IT **16944-42-6 56586-95-9 92742-23-9**
92742-27-3 93451-02-6

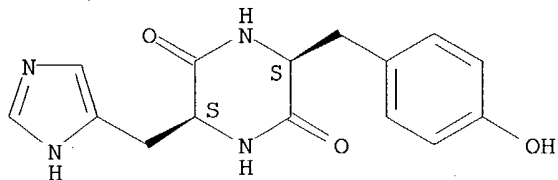
RL: CAT (Catalyst use); USES (Uses)

(catalyst, for stereoselective esterification of
(chlorophenyl)isopropylketene with cyanophenoxybenzyl alc.)

RN 16944-42-6 CAPLUS

CN 2,5-Piperazinedione, 3-[(4-hydroxyphenyl)methyl]-6-(1H-imidazol-4-ylmethyl)-, (3S-cis)- (9CI) (CA INDEX NAME)

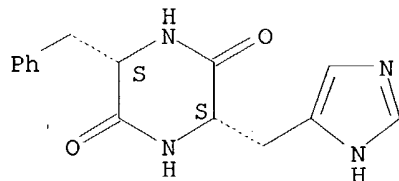
Absolute stereochemistry.



RN 56586-95-9 CAPLUS

CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

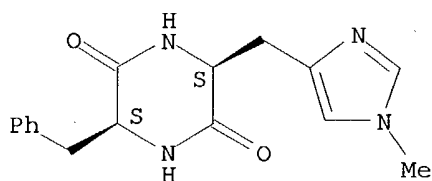


RN 92742-23-9 CAPLUS

CN 2,5-Piperazinedione, 3-[(1-methyl-1H-imidazol-4-yl)methyl]-6-(phenylmethyl)-, (3S-cis)- (9CI) (CA INDEX NAME)

10/632,688

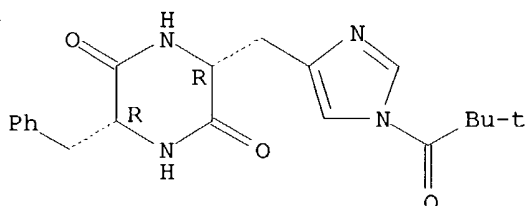
Absolute stereochemistry.



RN 92742-27-3 CAPLUS

CN 1H-Imidazole, 1-(2,2-dimethyl-1-oxopropyl)-4-[[3,6-dioxo-5-(phenylmethyl)-2-piperazinyl]methyl]-, (2R-cis)- (9CI) (CA INDEX NAME)

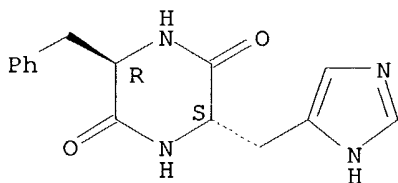
Absolute stereochemistry.



RN 93451-02-6 CAPLUS

CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



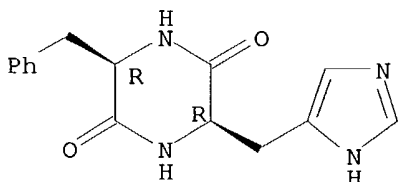
IT 93301-56-5P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and activation of, as catalyst for stereoselective esterification and cyanohydrin formation)

RN 93301-56-5 CAPLUS

CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3R,6R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



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L5 ANSWER 68 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1986:68624 CAPLUS
DN 104:68624
TI α -Substituted α -cyanomethyl alcohol enantiomers
IN Jackson, William Roy
PA ICI Australia Ltd. , Australia
SO Brit. UK Pat. Appl., 33 pp.
CODEN: BAXXDU
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	GB 2143823	A1	19850220	GB 1984-18611	19840720
	GB 2143823	B2	19880323		
	AU 8430331	A1	19850124	AU 1984-30331	19830722
	AU 576322	B2	19880825		
	ZA 8405371	A	19850227	ZA 1984-5371	19840711
	JP 60042359	A2	19850306	JP 1984-149786	19840720
	BR 8403630	A	19850709	BR 1984-3630	19840720
	HU 36782	A2	19851028	HU 1984-2811	19840720
	HU 198678	B	19891128		
	IL 72459	A1	19880229	IL 1984-72459	19840720
	CA 1258075	A1	19890801	CA 1984-459489	19840723
	GB 2186280	A1	19870812	GB 1987-1511	19870123
	GB 2186280	B2	19880323		
PRAI	AU 1983-432		19830722		
	AU 1983-2758		19831218		
	GB 1984-18611		19840720		

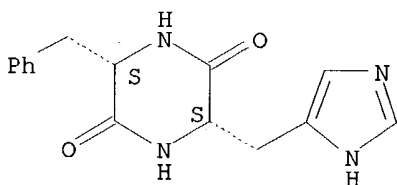
IT 56586-95-9

RL: CAT (Catalyst use); USES (Uses)
(catalyst, for stereoselective cyanohydrin preparation)

RN 56586-95-9 CAPLUS

CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
(3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 93301-56-5P 97070-70-7P 97101-94-5P

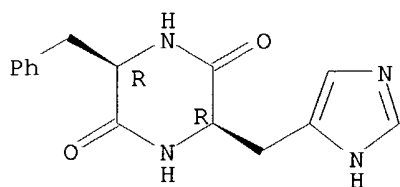
97101-95-6P 99530-25-3P 99530-26-4P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as catalyst for stereoselective cyanohydrin preparation)

RN 93301-56-5 CAPLUS

CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
(3R,6R)- (9CI) (CA INDEX NAME)

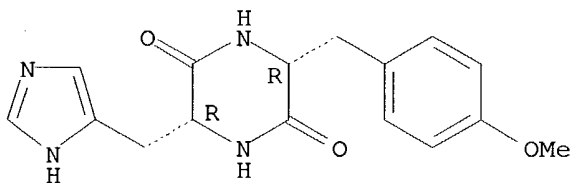
Absolute stereochemistry.



RN 97070-70-7 CAPLUS

CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-[(4-methoxyphenyl)methyl]-, (3R-cis)- (9CI) (CA INDEX NAME)

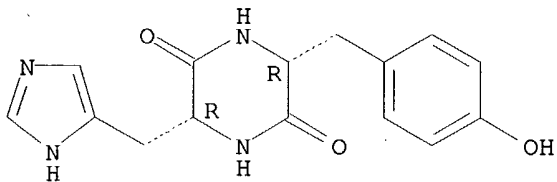
Absolute stereochemistry.



RN 97101-94-5 CAPLUS

CN 2,5-Piperazinedione, 3-[(4-hydroxyphenyl)methyl]-6-(1H-imidazol-4-ylmethyl)-, (3R-cis)- (9CI) (CA INDEX NAME)

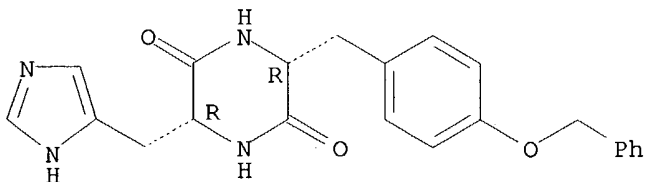
Absolute stereochemistry.



RN 97101-95-6 CAPLUS

CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-[[4-(phenylmethoxy)phenyl]methyl]-, (3R-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

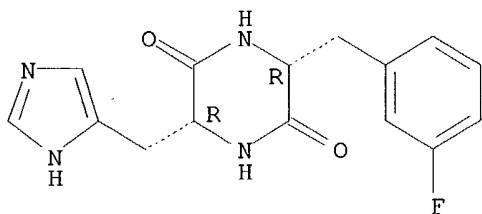


RN 99530-25-3 CAPLUS

CN 2,5-Piperazinedione, 3-[(3-fluorophenyl)methyl]-6-(1H-imidazol-4-ylmethyl)-, (3R-cis)- (9CI) (CA INDEX NAME)

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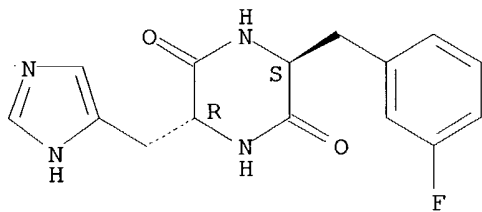
Absolute stereochemistry.



RN 99530-26-4 CAPLUS

CN 2,5-Piperazinedione, 3-[(3-fluorophenyl)methyl]-6-(1H-imidazol-4-ylmethyl)-
, (3S-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



10/632,688

L5 ANSWER 69 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1986:68606 CAPLUS
DN 104:68606
TI Fenvalerate α
IN Petty, Walter L.
PA Shell Oil Co. , USA
SO U.S., 7 pp. Cont.--in-part of U.S. Ser. No. 460,334, abandoned.
CODEN: USXXAM

DT Patent
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4526727	A	19850702	US 1984-585963	19840305
PRAI	US 1983-460334		19830124		

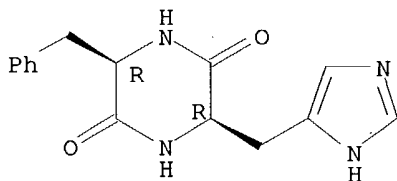
IT **93301-56-5**

RL: CAT (Catalyst use); USES (Uses)
(catalyst, for cyanation of phenoxybenzaldehyde)

RN 93301-56-5 CAPLUS

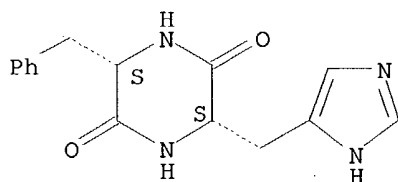
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
(3R,6R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 70 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1986:68429 CAPLUS
DN 104:68429
TI Asymmetric addition of hydrogen cyanide to aliphatic aldehydes catalyzed
by a synthetic cyclic peptide, cyclo[(S)-phenylalanyl-(S)-histidyl]
AU Asada, Shoichi; Kobayashi, Yoshiyuki; Inoue, Shohei
CS Fac. Eng., Univ. Tokyo, Tokyo, 113, Japan
SO Makromol. Chem. (1985), 186(9), 1755-62
CODEN: MACEAK; ISSN: 0025-116X
DT Journal
LA English
IT **56586-95-9**
RL: CAT (Catalyst use); USES (Uses)
(catalysts, for asym. hydrocyanation of aldehydes)
RN 56586-95-9 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
(3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 71 OF 87 CAPLUS COPYRIGHT 2000 ACS

AN 1985:596420 CAPLUS

DN 103:196420

TI Cyanohydration catalyst

IN Dong, Walter; Petty, Walter L.

PA Shell Oil Co. , USA

SO Eur. Pat. Appl., 22 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 135691	A2	19850403	EP 1984-108376	19840717
	EP 135691	A3	19860305		
	EP 135691	B1	19891004		
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
	US 4554102	A	19851119	US 1983-535500	19830926
	IL 72078	A1	19880630	IL 1984-72078	19840612
	ZA 8404692	A	19850227	ZA 1984-4692	19840621
	NO 8402581	A	19850327	NO 1984-2581	19840626
	AT 46828	E	19891015	AT 1984-108376	19840717
	FI 8402964	A	19850327	FI 1984-2964	19840725
	ES 535301	A1	19861201	ES 1984-535301	19840821
	AU 8433375	A1	19850404	AU 1984-33375	19840921
	AU 586807	B2	19890727		
	DD 226487	A5	19850828	DD 1984-267498	19840921
	DK 8404585	A	19850327	DK 1984-4585	19840925
	JP 60097052	A2	19850530	JP 1984-201406	19840925
	JP 05075460	B4	19931020		
	BR 8404816	A	19850813	BR 1984-4816	19840925
	CA 1248091	A1	19890103	CA 1984-463925	19840925
	US 4569793	A	19860211	US 1984-667530	19841102
	US 4594198	A	19860610	US 1985-691296	19850114
PRAI	US 1983-535500		19830926		
	EP 1984-108376		19840717		

IT 93301-56-5

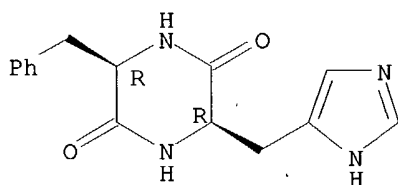
RL: CAT (Catalyst use); USES (Uses)

(catalysts, for cyanohydration of benzaldehyde derivative)

RN 93301-56-5 CAPLUS

CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
(3R,6R)- (9CI) (CA INDEX NAME)

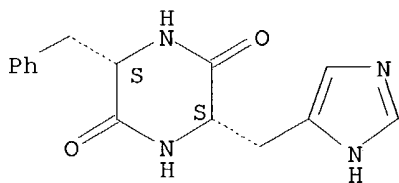
Absolute stereochemistry.



10/632,688

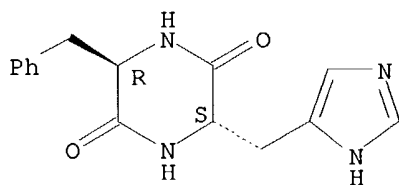
L5 ANSWER 72 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1985:523879 CAPLUS
DN 103:123879
TI Hydrolysis of active esters of aliphatic carboxylic acids with cyclic dipeptide catalysts consisting of L-histidine and different aliphatic α -amino acids
AU Masuda, Yoshihiko; Tanihara, Masao; Imanishi, Yukio; Higashimura, Toshinobu
CS Fac. Eng., Kyoto Univ., Kyoto, 606, Japan
SO Bull. Chem. Soc. Jpn. (1985), 58(2), 497-504
CODEN: BCSJA8; ISSN: 0009-2673
DT Journal
LA English
OS CASREACT 103:123879
IT **56586-95-9P 93451-02-6P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as catalyst for hydrolysis of aliphatic carboxylic acid acitive esters)
RN 56586-95-9 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 93451-02-6 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 73 OF 87 CAPLUS COPYRIGHT 2000 ACS

AN 1985:436818 CAPLUS

DN 103:36818

TI Asymmetric synthesis of α -substituted- α -cyanomethyl alcohols

IN Jackson, William Roy; Wilshire, Colin; Matthews, Barry Ross

PA ICI Australia Ltd., Australia

SO Eur. Pat. Appl., 73 pp.

CODEN: EPXXDW

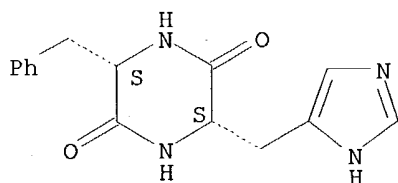
DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 132392	A2	19850130	EP 1984-304951	19840719
	EP 132392	A3	19850710		
	EP 132392	B1	19920102		
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
	AU 8430331	A1	19850124	AU 1984-30331	19830722
	AU 576322	B2	19880825		
	ZA 8405371	A	19850227	ZA 1984-5371	19840711
	EP 304954	A2	19890301	EP 1988-114033	19840719
	EP 304954	A3	19890726		
	R: CH, DE, FR, LI, NL				
	AT 71074	E	19920115	AT 1984-304951	19840719
	JP 60042359	A2	19850306	JP 1984-149786	19840720
	BR 8403630	A	19850709	BR 1984-3630	19840720
	HU 36782	A2	19851028	HU 1984-2811	19840720
	HU 198678	B	19891128		
	IL 72459	A1	19880229	IL 1984-72459	19840720
	CA 1258075	A1	19890801	CA 1984-459489	19840723
PRAI	AU 1983-432		19830722		
	AU 1983-2758		19831218		
	EP 1984-304951		19840719		
IT	56586-95-9				
	RL: PROC (Process)				
	(hydrocyanation of phenoxybenzaldehyde in presence of)				
RN	56586-95-9 CAPLUS				
CN	2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S,6S)- (9CI) (CA INDEX NAME)				

Absolute stereochemistry.

IT **93301-56-5**

RL: RCT (Reactant)

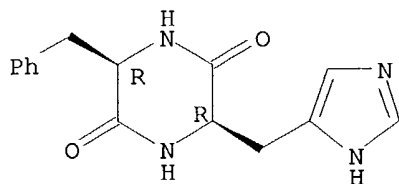
(preparation and hydrocyanation of phenoxybenzaldehyde in presence of)

RN 93301-56-5 CAPLUS

CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3R,6R)- (9CI) (CA INDEX NAME)

10/632,688

Absolute stereochemistry.



IT 97070-70-7P 97070-71-8P 97101-94-5P

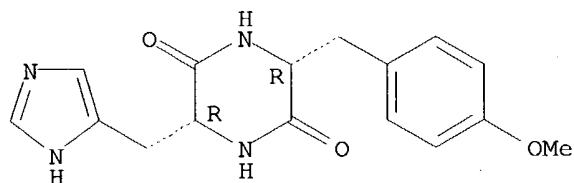
97101-95-6P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 97070-70-7 CAPLUS

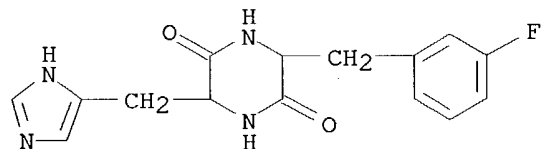
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-[(4-methoxyphenyl)methyl]-, (3R-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 97070-71-8 CAPLUS

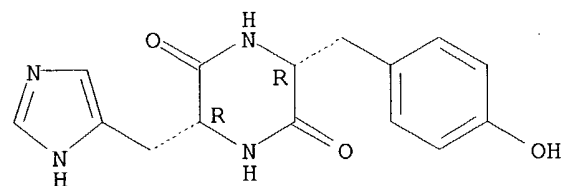
CN 2,5-Piperazinedione, 3-[(3-fluorophenyl)methyl]-6-(1H-imidazol-4-ylmethyl)- (9CI) (CA INDEX NAME)



RN 97101-94-5 CAPLUS

CN 2,5-Piperazinedione, 3-[(4-hydroxyphenyl)methyl]-6-(1H-imidazol-4-ylmethyl)-, (3R-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

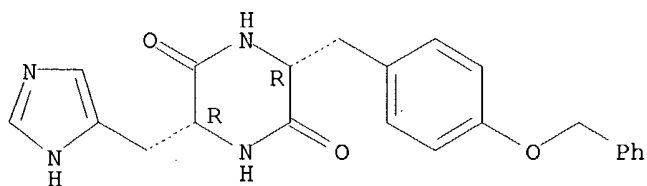


RN 97101-95-6 CAPLUS

10/632,688

CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-[[4-(phenylmethoxy)phenyl]methyl]-, (3R-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 74 OF 87 CAPLUS COPYRIGHT 2000 ACS
 AN 1985:112889 CAPLUS
 DN 102:112889
 TI Optically-active α -substituted carboxylic esters and acids
 IN Stoutamire, Donald W.
 PA Shell Oil Co. , USA
 SO Eur. Pat. Appl., 34 pp.
 CODEN: EPXXDW
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 116914	A1	19840829	EP 1984-101357	19840210
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
	US 4529810	A	19850716	US 1984-567991	19840106
	AU 8424268	A1	19840830	AU 1984-24268	19840208
	ZA 8401130	A	19840926	ZA 1984-1130	19840216
	FI 8400681	A	19840823	FI 1984-681	19840220
	DK 8400835	A	19840823	DK 1984-835	19840221
	NO 8400646	A	19840823	NO 1984-646	19840221
	JP 59163344	A2	19840914	JP 1984-32267	19840221
	BR 8400793	A	19840925	BR 1984-793	19840221
	DD 222006	A5	19850508	DD 1984-260252	19840222
PRAI	US 1983-468100		19830222		
	US 1984-567991		19840106		

IT **56586-95-9**

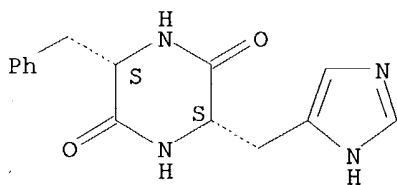
RL: CAT (Catalyst use); USES (Uses)

(catalyst, for addition of methylbenzyl alc. to unsym. ketene)

RN 56586-95-9 CAPLUS

CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT **93301-56-5P**

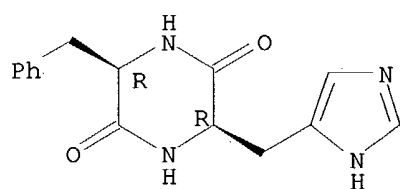
RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation of, as catalyst for addition of alc. to unsym. ketene)

RN 93301-56-5 CAPLUS

CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3R,6R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 75 OF 87 CAPLUS COPYRIGHT 2000 ACS
 AN 1985:5943 CAPLUS
 DN 102:5943
 TI Optically active cyanomethyl esters
 IN Stoutamire, Donald W.; Tieman, Charles H.; Dong, Walter
 PA Shell Oil Co. , USA
 SO Eur. Pat. Appl., 42 pp.
 CODEN: EPXXDW

DT Patent
 LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 109681	A2	19840530	EP 1983-111562	19831118
	EP 109681	A3	19860115		
	EP 109681	B1	19920311		
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
IN	161692	A	19880116	IN 1983-CA1346	19831102
IL	70155	A1	19890910	IL 1983-70155	19831107
US	4582646	A	19860415	US 1983-551547	19831114
US	4594196	A	19860610	US 1983-551548	19831114
BR	8306312	A	19840703	BR 1983-6312	19831117
DD	216453	A5	19841212	DD 1983-256815	19831117
EP	291626	A2	19881123	EP 1988-100324	19831118
EP	291626	A3	19890531		
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
EP	312124	A2	19890419	EP 1988-119480	19831118
EP	312124	A3	19890913		
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
EP	451927	A1	19911016	EP 1991-201451	19831118
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
AT	73443	E	19920315	AT 1983-111562	19831118
FI	8304259	A	19840523	FI 1983-4259	19831121
DK	8305323	A	19840523	DK 1983-5323	19831121
NO	8304257	A	19840523	NO 1983-4257	19831121
AU	8321555	A1	19840531	AU 1983-21555	19831121
AU	577032	B2	19880915		
JP	59116256	A2	19840705	JP 1983-220485	19831121
JP	03033151	B4	19910516		
ES	527417	A1	19851101	ES 1983-527417	19831121
HU	37915	A2	19860328	HU 1983-4003	19831121
HU	200584	B	19900728		
RO	88828	B3	19860730	RO 1983-112615	19831121
CA	1263800	A1	19891205	CA 1983-441540	19831121
SU	1542412	A3	19900207	SU 1983-3675006	19831121
US	4723027	A	19880202	US 1986-822563	19860127
JP	02270852	A2	19901105	JP 1989-302306	19891122
JP	03238053	A2	19911023	JP 1990-164329	19900625
PRAI	US 1982-443513		19821122		
	US 1982-443763		19821122		
	US 1982-443764		19821122		
	US 1983-551548		19831114		
	EP 1983-111562		19831118		

IT **16944-42-6 56586-95-9 92742-23-9**
92742-27-3 93451-02-6

RL: CAT (Catalyst use); USES (Uses)

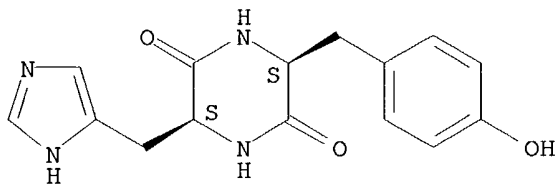
(catalyst, for reaction of cyanophenoxybenzyl alc. with
 (chlorophenyl)isopropylketene, stereospecificity of)

10/632,688

RN 16944-42-6 CAPLUS

CN 2,5-Piperazinedione, 3-[(4-hydroxyphenyl)methyl]-6-(1H-imidazol-4-ylmethyl)-, (3S-cis)- (9CI) (CA INDEX NAME)

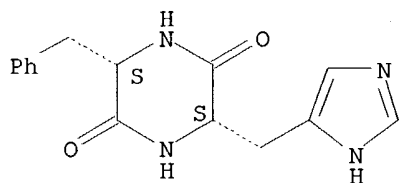
Absolute stereochemistry.



RN 56586-95-9 CAPLUS

CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S,6S)- (9CI) (CA INDEX NAME)

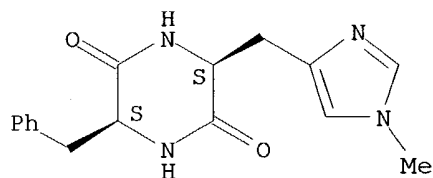
Absolute stereochemistry.



RN 92742-23-9 CAPLUS

CN 2,5-Piperazinedione, 3-[(1-methyl-1H-imidazol-4-yl)methyl]-6-(phenylmethyl)-, (3S-cis)- (9CI) (CA INDEX NAME)

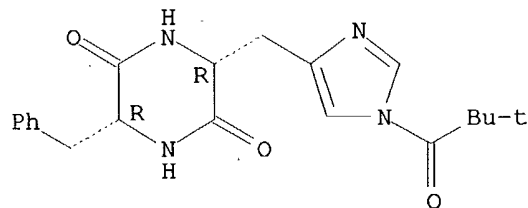
Absolute stereochemistry.



RN 92742-27-3 CAPLUS

CN 1H-Imidazole, 1-(2,2-dimethyl-1-oxopropyl)-4-[[3,6-dioxo-5-(phenylmethyl)-2-piperazinyl]methyl]-, (2R-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

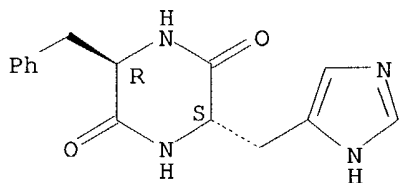


10/632,688

RN 93451-02-6 CAPLUS

CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
(3S-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



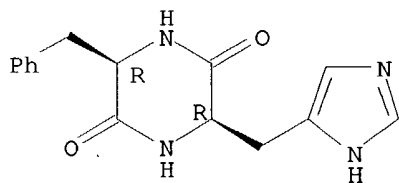
IT 93301-56-5P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as catalyst for stereospecific addition of cyanide to
phenoxybenzaldehyde)

RN 93301-56-5 CAPLUS

CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
(3R,6R)- (9CI) (CA INDEX NAME)

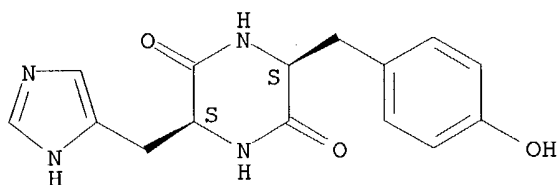
Absolute stereochemistry.



10/632,688

L5 ANSWER 76 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1983:522868 CAPLUS
DN 99:122868
TI Structure and analgesic activity relationship of cyclo(-Tyr-Arg-)
AU Sasaki, Yusuke; Akutsu, Yasuyuki; Matsui, Michiko; Suzuki, Kenji;
Sakurada, Shinobu; Sato, Takumi; Kisara, Kensuke
CS Tohoku Coll. Pharm., Sendai, 983, Japan
SO Pept. Chem. (1983), Volume Date 1982, 20th, 237-40
CODEN: PECHDP
DT Journal
LA English
IT **16944-42-6**
RL: BAC (Biological activity or effector, except adverse); BIOL
(Biological study)
(analgesic activity of)
RN 16944-42-6 CAPLUS
CN 2,5-Piperazinedione, 3-[(4-hydroxyphenyl)methyl]-6-(1H-imidazol-4-
ylmethyl)-, (3S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

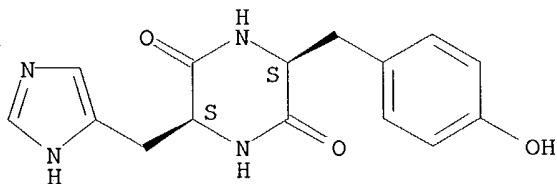


IT **85717-92-6P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 85717-92-6 CAPLUS
CN 2,5-Piperazinedione, 3-[(4-hydroxyphenyl)methyl]-6-(1H-imidazol-4-
ylmethyl)-, (3S-cis)-, acetate (2:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 16944-42-6
CMF C15 H16 N4 O3
CDES *

Absolute stereochemistry.

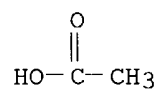


CM 2

CRN 64-19-7

10/632,688

CMF C2 H4 O2



10/632,688

L5 ANSWER 77 OF 87 CAPLUS COPYRIGHT 2000 ACS

AN 1983:453393 CAPLUS

DN 99:53393

TI Optically active mandelonitrile

PA Nippon Kayaku Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 3 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 58029757	A2	19830222	JP 1981-127864	19810817
	JP 01053665	B4	19891115		

IT **56586-95-9**

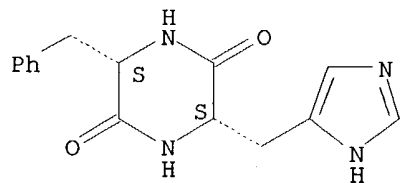
RL: CAT (Catalyst use); USES (Uses)

(catalysts, for addition reaction of benzaldehyde with hydrogen cyanide in preparation of optically active mandelonitrile)

RN 56586-95-9 CAPLUS

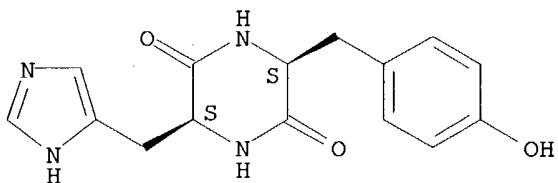
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
(3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



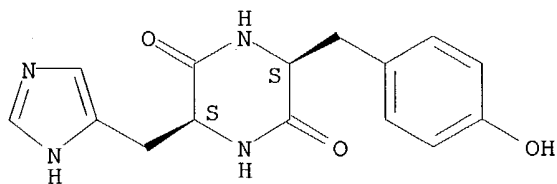
L5 ANSWER 78 OF 87 CAPLUS COPYRIGHT 2000 ACS
 AN 1983:400632 CAPLUS
 DN 99:632
 TI Antinociceptive activities of synthetic dipeptides in mice
 AU Sakurada, Shinobu; Sakurada, Tsukasa; Jin, Hiromasa; Sato, Takumi; Kisara, Kensuke; Sasaki, Yusuke; Suzuki, Kenji
 CS Dep. Pharmacol., Tohoku Coll. Pharm., Sendai, 983, Japan
 SO J. Pharm. Pharmacol. (1982), 34(11), 750-1
 CODEN: JPPMAB; ISSN: 0022-3573
 DT Journal
 LA English
 IT **16944-42-6**
 RL: BAC (Biological activity or effector, except adverse); BIOL
 (Biological study)
 (antinociceptive activity of, structure in relation to)
 RN 16944-42-6 CAPLUS
 CN 2,5-Piperazinedione, 3-[(4-hydroxyphenyl)methyl]-6-(1H-imidazol-4-ylmethyl)-, (3S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

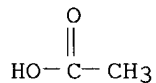


L5 ANSWER 79 OF 87 CAPLUS COPYRIGHT 2000 ACS
 AN 1983:198707 CAPLUS
 DN 98:198707
 TI Studies on analgesic oligopeptides. II. Structure-activity relationship among thirty analogs of a cyclic dipeptide, cyclo(-Tyr-Arg-)
 AU Sasaki, Yusuke; Akutsu, Yasuyuki; Matsui, Michiko; Suzuki, Kenji; Sakurada, Shinobu; Sato, Takumi; Kisara, Kensuke
 CS Tohoku Coll. Pharm., Sendai, 983, Japan
 SO Chem. Pharm. Bull. (1982), 30(12), 4435-43
 CODEN: CPBTAL; ISSN: 0009-2363
 DT Journal
 LA English
 IT **85717-92-6P**
 RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation) (preparation and analgesic activity of)
 RN 85717-92-6 CAPLUS
 CN 2,5-Piperazinedione, 3-[(4-hydroxyphenyl)methyl]-6-(1H-imidazol-4-ylmethyl)-, (3S-cis)-, acetate (2:1) (salt) (9CI) (CA INDEX NAME)
 CM 1
 CRN 16944-42-6
 CMF C15 H16 N4 O3
 CDES *

Absolute stereochemistry.

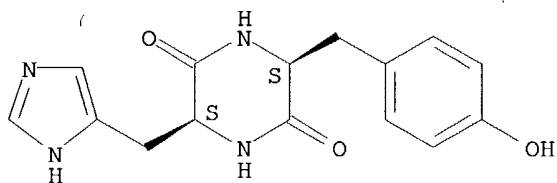


CM 2
 CRN 64-19-7
 CMF C2 H4 O2



L5 ANSWER 80 OF 87 CAPLUS COPYRIGHT 2000 ACS
 AN 1982:593710 CAPLUS
 DN 97:193710
 TI The analgesic effects of cyclic dipeptides by intracerebral administration
 in conscious mice and rats
 AU Sakurada, S.; Sakurada, T.; Kawamura, S.; Satoh, T.; Andoh, R.; Kisara,
 K.; Sasaki, Y.; Suzuki, K.
 CS Dep. Pharmacol., Tohoku Coll. Pharm., Sendai, Japan
 SO Adv. Endog. Exog. Opioids, Proc. Int. Narc. Res. Conf., 12th (1981),
 389-91. Editor(s): Takagi, Hiroshi; Simon, Eric J. Publisher: Kodansha,
 Tokyo, Japan.
 CODEN: 48NVAY
 DT Conference
 LA English
 IT **16944-42-6**
 RL: BAC (Biological activity or effector, except adverse); BIOL
 (Biological study)
 (analgesic action of, after intracerebral administration)
 RN 16944-42-6 CAPLUS
 CN 2,5-Piperazinedione, 3-[(4-hydroxyphenyl)methyl]-6-(1H-imidazol-4-
 ylmethyl)-, (3S-cis)- (9CI) (CA INDEX NAME)

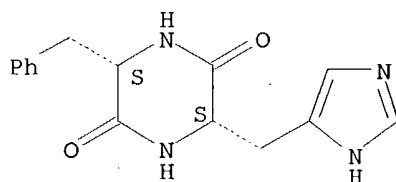
Absolute stereochemistry.



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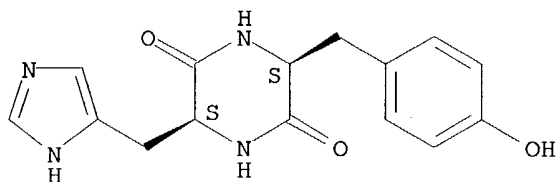
L5 ANSWER 81 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1982:439355 CAPLUS
DN 97:39355
TI Asymmetric cyanohydrin synthesis catalyzed by synthetic dipeptides. 2
AU Oku, Junichi; Ito, Naofumi; Inoue, Shohei
CS Fac. Eng., Univ. Tokyo, Tokyo, 113, Japan
SO Makromol. Chem. (1982), 183(3), 579-86
CODEN: MACEAK; ISSN: 0025-116X
DT Journal
LA English
IT **56586-95-9P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as catalyst for asym. addition of hydrogen cyanide to
benzaldehyde)
RN 56586-95-9 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
(3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



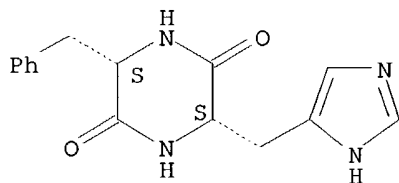
L5 ANSWER 82 OF 87 CAPLUS COPYRIGHT 2000 ACS
 AN 1981:526401 CAPLUS
 DN 95:126401
 TI Effect of cyclic dipeptides containing histidine on pentobarbital narcosis
 AU Suzuki, Tomoharu; Sakurada, Tsukasa; Tadano, Takeshi; Kisara, Kensuke;
 Sasaki, Yuhstake; Suzuki, Kenji
 CS Dep. Pharmacol., Tohoku Coll. Pharm., Sendai, 983, Japan
 SO J. Pharmacobio-Dyn. (1981), 4(5), 377-9
 CODEN: JOPHDQ; ISSN: 0386-846X
 DT Journal
 LA English
 IT **16944-42-6 56586-95-9**
 RL: BIOL (Biological study)
 (anesthesia from pentobarbital response to, structure in relation to)
 RN 16944-42-6 CAPLUS
 CN 2,5-Piperazinedione, 3-[(4-hydroxyphenyl)methyl]-6-(1H-imidazol-4-ylmethyl)-, (3S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



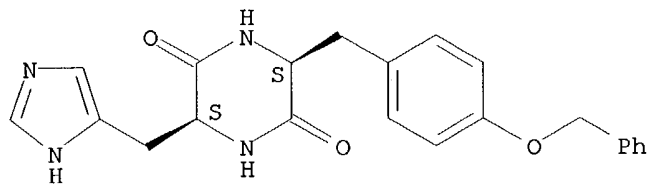
RN 56586-95-9 CAPLUS
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-, (3S,6S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 83 OF 87 CAPLUS COPYRIGHT 2000 ACS
 AN 1981:515981 CAPLUS
 DN 95:115981
 TI Acetic acid-catalyzed diketopiperazine synthesis
 AU Suzuki, Kenji; Sasaki, Yusuke; Endo, Nobuyoshi; Mihara, Yuichi
 CS Tohoku Coll. Pharm., Sendai, 983, Japan
 SO Chem. Pharm. Bull. (1981), 29(1), 233-7
 CODEN: CPBTAL; ISSN: 0009-2363
 DT Journal
 LA English
 IT **77935-55-8P**
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of, by acetic acid-catalyzed cyclization of dipeptide ester)
 RN 77935-55-8 CAPLUS
 CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-[[4-(phenylmethoxy)phenyl]methyl]-, (3S-cis)- (9CI) (CA INDEX NAME)

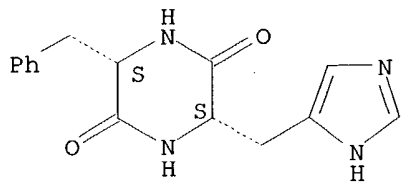
Absolute stereochemistry.



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L5 ANSWER 84 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1981:461708 CAPLUS
DN 95:61708
TI Asymmetric cyanohydrin synthesis catalyzed by a synthetic cyclic dipeptide
AU Oku, Junichi; Inoue, Shohei
CS Fac. Eng., Univ. Tokyo, Tokyo, 113, Japan
SO J. Chem. Soc., Chem. Commun. (1981), (5), 229-30
CODEN: JCCCAT; ISSN: 0022-4936
DT Journal
LA English
IT **56586-95-9**
RL: CAT (Catalyst use); USES (Uses)
(catalysts, for asym. addition of hydrogen cyanide to benzaldehyde)
RN 56586-95-9 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
(3S,6S)- (9CI) (CA INDEX NAME)

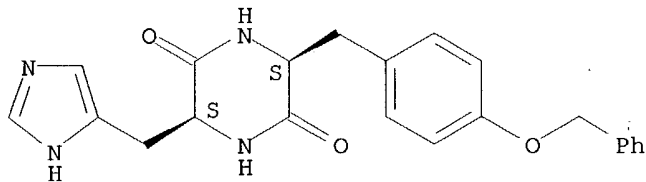
Absolute stereochemistry.



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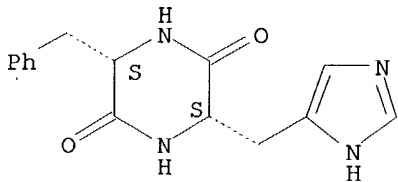
L5 ANSWER 85 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1981:443645 CAPLUS
DN 95:43645
TI Acetic acid-catalyzed diketopiperazine synthesis
AU Suzuki, Kenji; Sasaki, Yusuke; Endo, Nobuyoshi; Mihara, Yuichi
CS Tohoku Coll. Pharm., Sendai, 983, Japan
SO Pept. Chem. (1980), 18th, 11-14
CODEN: PECHDP
DT Journal
LA English
IT **77935-55-8P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, by intramol. aminolysis of dipeptide ester derivative)
RN 77935-55-8 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-[[4-(phenylmethoxy)phenyl]methyl]-, (3S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 86 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1975:497911 CAPLUS
DN 83:97911
TI NMR studies of cyclic dipeptides containing histidine and tryptophan residues
AU Andorn, M.; Sheinblatt, M.
CS Dep. Chem., Tel Aviv Univ., Tel Aviv, Israel
SO Pept., Polypeptides Proteins, Proc. Rehovot Symp., 2nd (1974), 293-9.
Editor(s): Blout, Elkan Rogers; Bovey, F. A.; Goodman, M. Publisher:
Wiley, New York, N. Y.
CODEN: 30TRAL
DT Conference
LA English
IT **56586-95-9**
RL: RCT (Reactant)
(NMR studies of effect of pH and temperature on)
RN 56586-95-9 CAPLUS
CN 2,5-Piperazinedione, 3-(1H-imidazol-4-ylmethyl)-6-(phenylmethyl)-,
(3S,6S)- (9CI) (CA INDEX NAME)

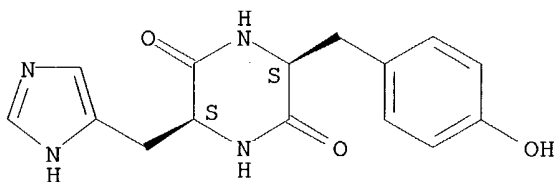
Absolute stereochemistry.



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L5 ANSWER 87 OF 87 CAPLUS COPYRIGHT 2000 ACS
AN 1968:30045 CAPLUS
DN 68:30045
TI Conformations of cyclic peptides. Folding of cyclic dipeptides containing
an aromatic side chain
AU Kopple, Kenneth D.; Marr, David H.
CS Illinois Inst. of Technol., Chicago, IL, USA
SO J. Am. Chem. Soc. (1967), 89(24), 6193-200
CODEN: JACSAT
DT Journal
LA English
IT **16944-42-6 16944-43-7**
RL: PRP (Properties)
(conformation of, N.M.R. in relation to)
RN 16944-42-6 CAPLUS
CN 2,5-Piperazinedione, 3-[(4-hydroxyphenyl)methyl]-6-(1H-imidazol-4-
ylmethyl)-, (3S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 16944-43-7 CAPLUS

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COST IN U.S. DOLLARS

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ENTRY

SESSION

FULL ESTIMATED COST

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